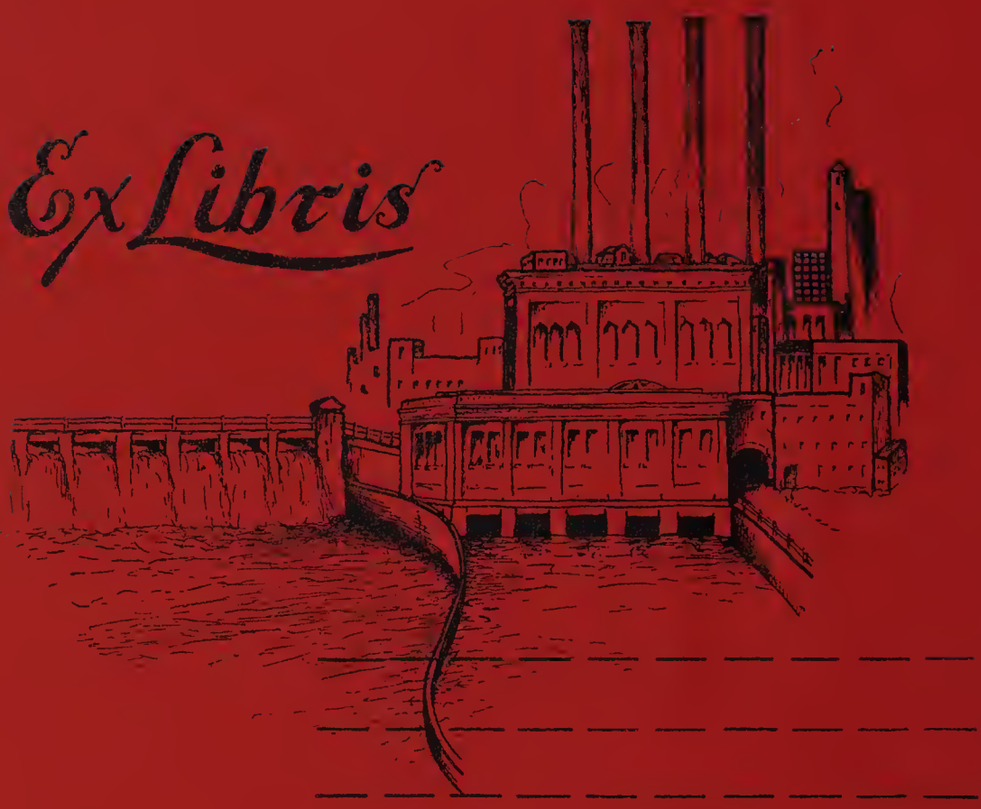

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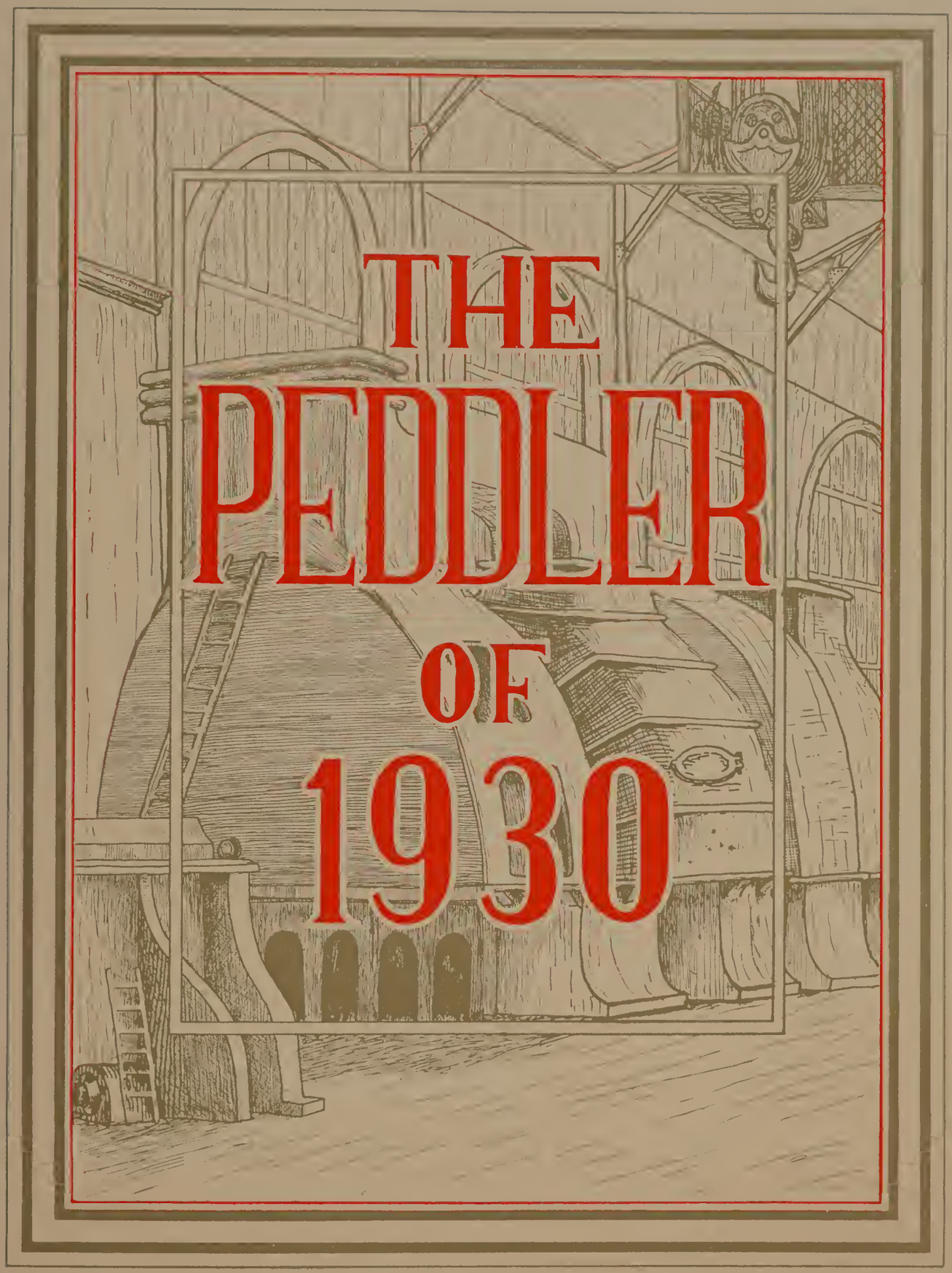
THE
PEDDLER
OF
1930

THE PEDDLER

Volume Three

PUBLISHED BY THE

CLASS *of* 1930

WORCESTER POLYTECHNIC INSTITUTE

WORCESTER, MASSACHUSETTS

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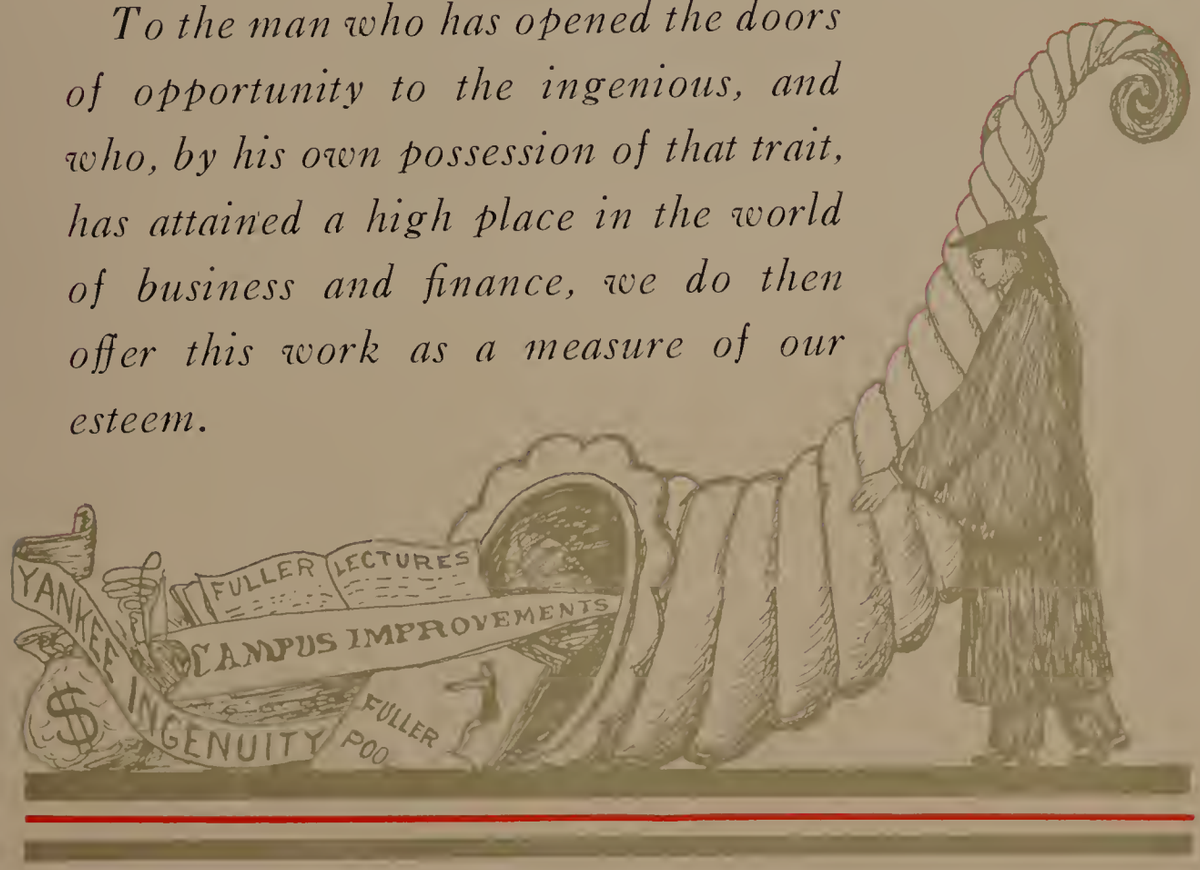
THE PEDDLER

Dedicated to HENRY J. FULLER

the man who has made our college years the more enjoyable, instructive, and beneficial by a more broadening influence than could have been obtained by the bare fundamentals of our engineering training.

To the man who has opened the doors of opportunity to the ingenious, and who, by his own possession of that trait, has attained a high place in the world of business and finance, we do then offer this work as a measure of our esteem.

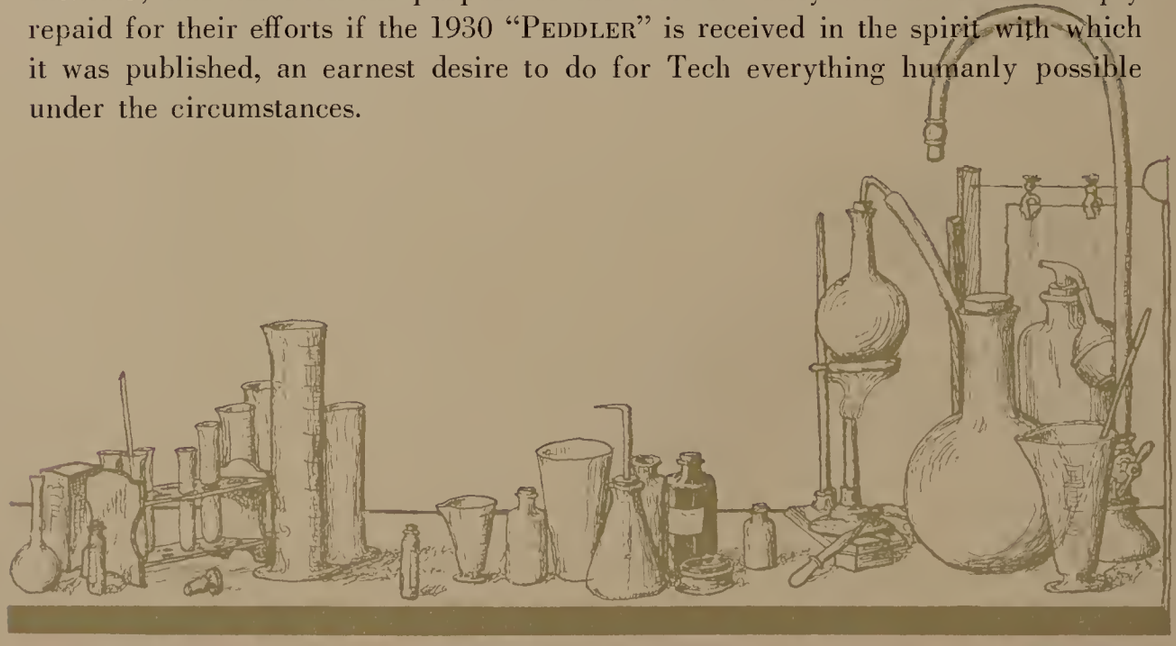


FOREWORD

Two years ago, the name of the Worcester Tech annual publication was changed from the AFTERMATH to the PEDDLER. This change was made not only because the word "Peddler" in itself has a deeper and more significant meaning to Tech men, but also because it was to be the first step towards the realization of a new policy. For many years there had been growing on the "Hill" a feeling that the year book should be a college book rather than a class book. It should chronicle the activities of the whole school, be of interest to faculty and underclassmen alike, hold something of interest for each subscriber.

A complete transition was not attempted, nor would it have been possible. This year, however, one very definite advancement has been made. The "PEDDLER" staff has been made self-perpetuating. It no longer consists of members of the graduating staff alone, but includes members of all classes. No longer will a newly elected staff take over the task of editing a book without previous experience. Each new editor will have been closely associated with the publishing of the previous book, will begin where his predecessor left off and profit by his mistakes.

To crystallize and preserve the priceless events of the college year, to bind and perpetuate our classroom comraderies, to bridge the gap between student and alumnus by drawing into a closer understanding the four classes of the Institute; this has been the purpose of the editors. They will have been amply repaid for their efforts if the 1930 "PEDDLER" is received in the spirit with which it was published, an earnest desire to do for Tech everything humanly possible under the circumstances.



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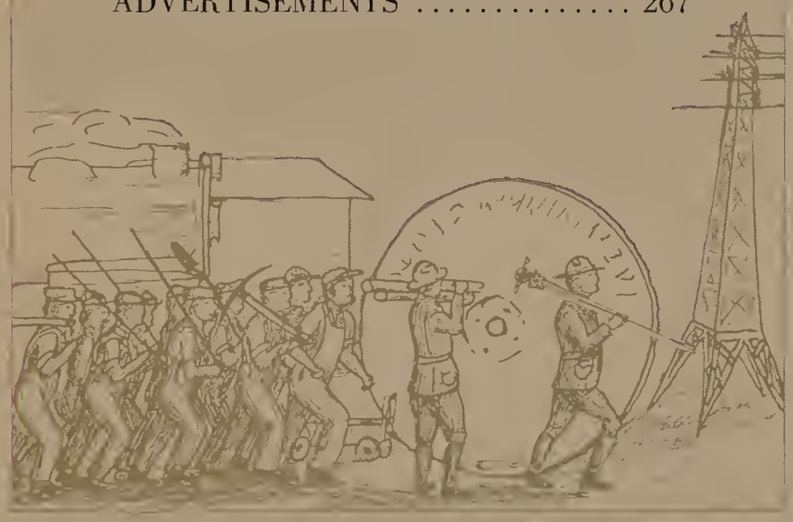

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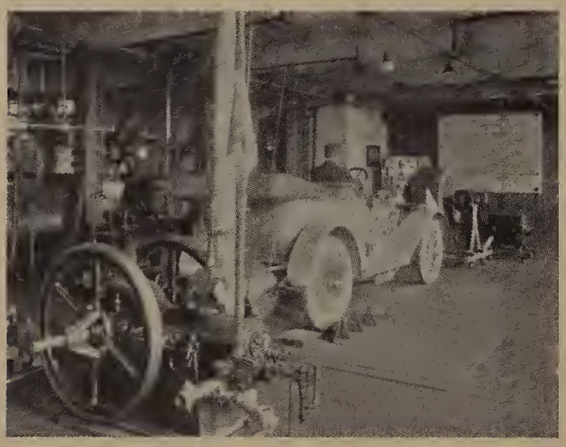
THE INSTITUTE

1868—W. P. I.—1930

1868—Boynton Hall Dedicated

1868—Washburn Shops Built (shown at left)

1882—Dr. Homer T. Fuller, President



1889—(above) Building the Salisbury Laboratories

1889—Magnetics Laboratory Built (above, left)

1894—Dr. Thomas C. Mendenhall, President

1906—Dr. Ira N. Hollis, President

1907—Electrical Engineering Building, Erected (site shown on Page 12)

1914—Alumni Gymnasium Cornerstone Laid (below)

1915—Athletic Field Dedicated (above)

1925—President Ralph Earle Inaugurated by Hon. Charles G. Washburn (right)

1927—Sanford Riley Hall Erected (right)

HENRY JONES FULLER

MR. FULLER was born December 12, 1873, in St. Johnsbury, Vermont; a real New Englander, since his ancestry dates back through a long line of notable men to Dr. Samuel Fuller of the historic Mayflower.

Mr. Fuller's connections with Worcester Tech began at the early age of nine, when his father, Dr. Homer T. Fuller, became President of Worcester Polytechnic Institute in 1882, taking up his residence in Worcester in the same year. Henry Fuller's secondary education was acquired at Worcester Academy from 1887 to 1891. Immediately after graduation from the Academy he entered Worcester Tech with the class of 1895, of which President Earle was a member. During his undergraduate days he was a participant in many campus activities, becoming president of the Tennis Club and of the Camera Club, and being proficient in other social activities.

At graduation Mr. Fuller returned to his birthplace in Vermont as a draftsman for the E. & T. Fairbanks Co., scale manufacturers. After working through the factory at St. Johnsbury, he entered the Sales Department of the Fairbanks Company and went to Montreal, first as salesman, subsequently becoming manager of the business established there under the name of the Canadian Fairbanks Morse Company, Ltd., of which company he is still chairman of the Board of Directors.

The scales company grew immensely, and in 1913 he went to New York City as Vice President of Fairbanks, Morse & Co., and remained in that position until 1921. In that year he became a partner of the banking firm of Aldred and Co., in which he is at present a partner, and director of the Canadian firm of the same name.

The Bank of America, the Canadian Bank of Commerce, the First National Bank of Boston, the Guarantee Company of North America, and the National Trust Company, Ltd., all claim him as a Director. His knowledge of business methods as applied to public utilities is called into play at the director's meetings of the Shawinigan Water and Power Company, the Pennsylvania Water and Power Company, and the Consolidated Gas, Electric Light and Power Company of Baltimore. He is a director and member of the executive committee of the Gillette Safety Razor Company and the Savage Arms Corporations which owns the Stevens Arms and Tool Company of Chicopee Falls, Mass. He is also a director of the Remington Rand, Inc., which owns the Noiseless Typewriter Company at Middletown, Conn., a director of the Greenfield Tap and Die Corporation, chairman of the Board of the Gorham Company, chairman of the Board and president of Rolls-Royce of America, Inc., as well as being a trustee of St. Johnsbury Academy and Vice President of St. Mark's Hospital.

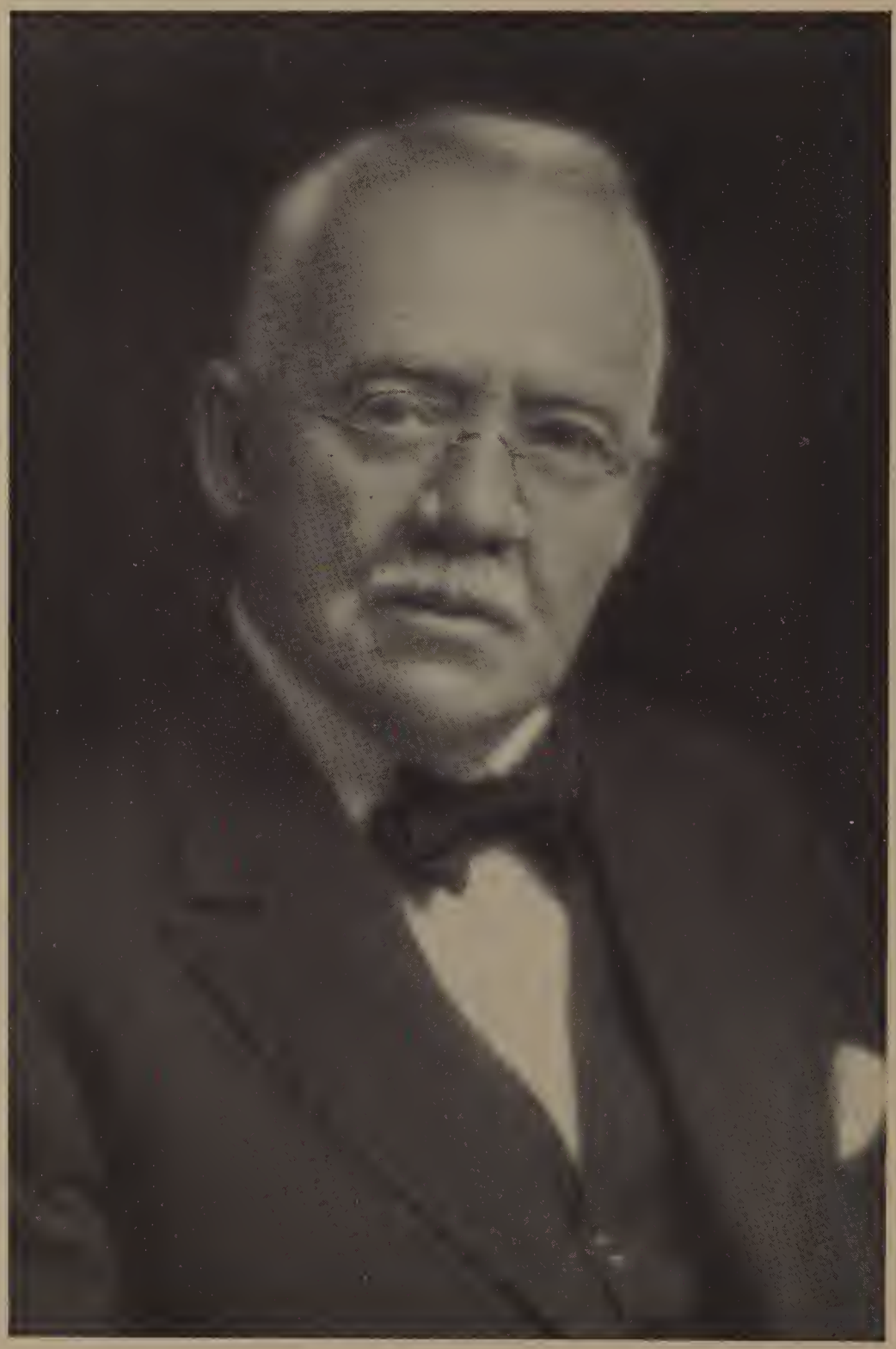
Henry J. Fuller's activities in connection with W. P. I. may have been inspired by his observations of the results of his father's regime, during which the Salisbury Laboratories, the Mechanical Engineering Building, the Power Laboratories, and the President's house were erected; the plant and land at Chaffins were acquired; the encumbrance of the name "Worcester County Free Institute of Industrial Science" was removed and the more suitable present name applied to the rapidly growing Polytechnic Institute.

The name of Henry Fuller is engraved at the Institute in a never to be for-

gotten way in the shape of the swimming pool which he, together with his partner, Mr. Aldred, gave to the Institute in memory of Mr. Fuller's father, Dr. Homer T. Fuller. In December, 1925, President Earle gave a talk to the Tech Alumni at the Astor Hotel, New York City. He was feeling rather blue because there were many projects which seemed imperative for the happiness and welfare of the Institute which could not be affected without additional funds. He spoke at length upon this and as the President finished explaining the list, Mr. Fuller's partner, Mr. Aldred, reached for it, took a pencil from his pocket and jotted something down returning the list to the President, who read, to his delight: "I will give $10,000.00, to any of these projects." This was read by the President and Mr. Fuller immediately matched this sum. It was a very happy day for the Institute. Later the President, a classmate of Mr. Fuller's, got in touch with him and suggested that he and Mr. Aldred build the swimming pool as that would cost in the neighborhood of $25,000.00. This they agreed to do and though it cost over $31,000.00, Mr. Fuller cheerfully stood the expense over and above Mr. Aldred's $10,000.00.

At an Alumni meeting early in 1928, Mr. Fuller conceived the idea of bringing old-time Yankee ingenuity to the fore, prompted perhaps by the appearance on the market of the remarkably handy steel flexible Farrand rapid rule, the product of an exceedingly ingenious New Hampshire man. His announcement of the "Yankee Ingenuity" scholarship, the most liberal fund offered by any college in the country, aroused widespread interest among leading engineers, and challenged the industry of young men throughout New England.

Thus Mr. Fuller has become in a little over 33 years from his graduation, at which time he was a young man without any prospects save the training and education he received here, one of the greatest benefactors of the Institute.



JAMES LOGAN, M.A., D.Eng.

May 6, 1852—Nov. 30, 1929

Hon. James Logan was born in Glasgow, Scotland, May 6, 1852, and died at his Worcester home after a long illness, Nov. 30, 1929. When he was three months old he was brought to this country by his parents who settled in Cherry Valley, Mass. James Logan began work in a woolen mill in that village at the age of ten. He worked fourteen hours a day. As he grew to manhood he took advantage of every opportunity to improve himself and to better his prospects in life. He studied bookkeeping, became skillful in this work, and filled several positions in Worcester as bookkeeper.

At the age of twenty-one Mr. Logan became associated with Sanford and Company, booksellers and stationers, first as bookkeeper, later as salesman. This opening gave him an opportunity to become familiar with the paper industry, and led to a position with the Whitcomb Envelope Company, of Worcester. With this company he learned every phase of the envelope business, developed his skill as a salesman, and added to his wide circle of business acquaintances.

After one or two business changes in 1884, Mr. Logan associated himself with two of his fellow-employees at the Whitcomb Company, forming the firm of Logan, Swift and Brigham, Manufacturers of Envelopes. Fourteen years later a merger was effected of nine of the leading envelope manufacturing concerns in this part of the country under the name of the United States Envelope Company. Mr. Logan was chosen First Vice President and General Manager of the new corporation. In 1922 he became its President. To his new duties he applied himself with the tireless energy and devotion that had always characterized him, and that brought ultimate success to the new organization.

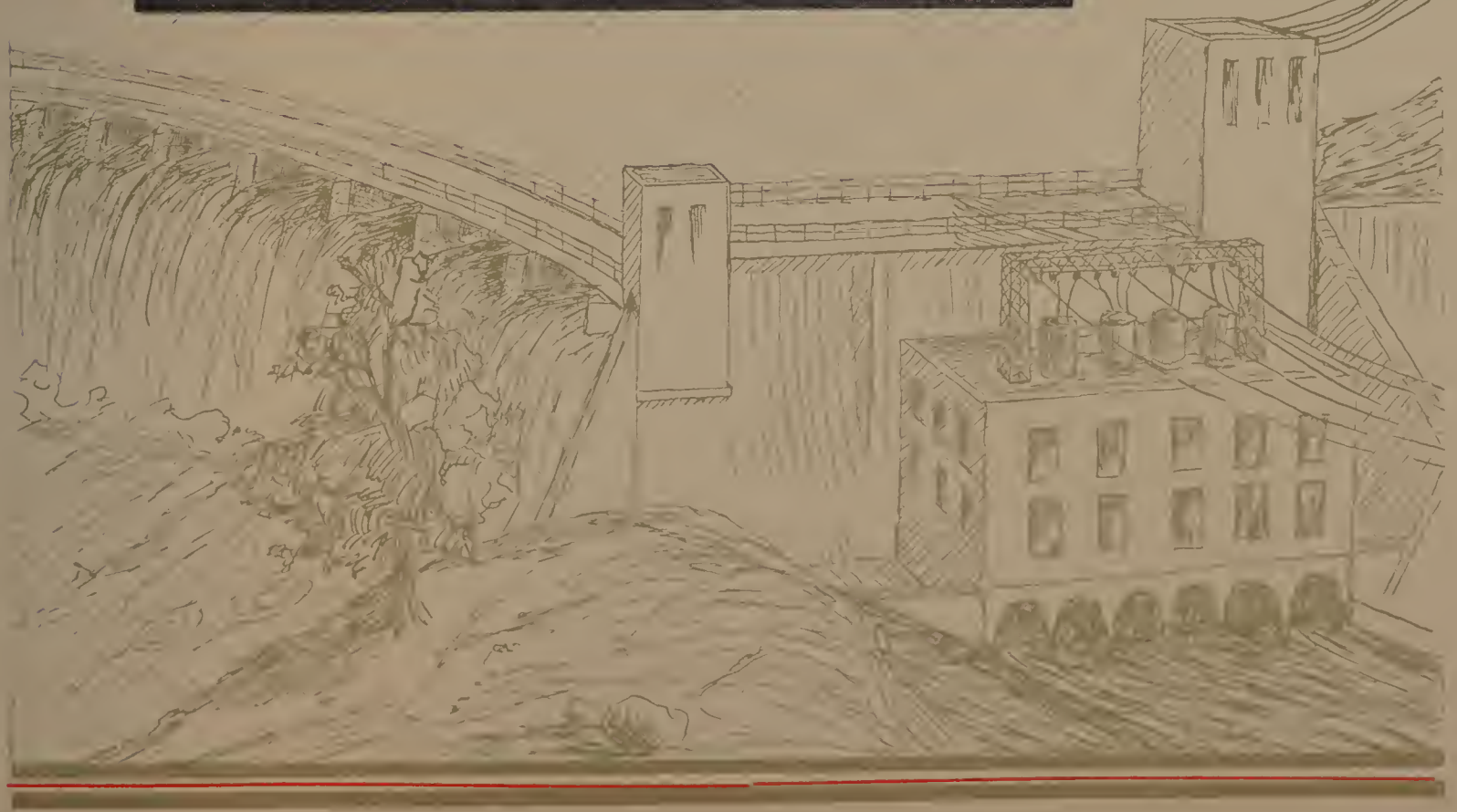
Occupied as he was with the management of the great envelope company, Mr. Logan was nevertheless interested and active in countless other good works. He was a loyal and zealous worker in church and Y. M. C. A. circles. He served his city of Worcester most efficiently as its mayor from 1908 to 1912. During the World War he was tireless in his efforts in behalf of our soldiers and for the success of the allied armies. He served as Trustee and Director of banks and similar financial corporations, and held official positions in numerous other organizations.

Mr. Logan was interested in the Worcester Polytechnic Institute for more than half a century. Closely associated with members of the classes of 1877 and 1878 during their undergraduate days, he was made an honorary member of the Class of 1878. He was also elected an honorary member of the Alumni Association, being one of the first to be thus honored. In 1900 he was chosen a Life Trustee of the Institute, which, in 1926, conferred upon him the honorary degree of Doctor

of Engineering. He had received the honorary degree of Master of Arts from Dartmouth College in 1904.

Mr. Logan always claimed that his early poverty was his greatest asset. It spurred him on to work for improvement in his condition, to grasp every opportunity for advancement. He was always ready to help others, to lend his assistance to every good cause. For earnest endeavor, for marked success, for splendid achievement, for highest and best influence for what is good, few lives of Worcester men can equal the life of James Logan, so freely spent in the service of his fellows. And none in city or state or nation should appreciate more deeply and more sincerely what he was, what he did, and what he stood for, than we of the Worcester Polytechnic Institute.

THE CAMPUS



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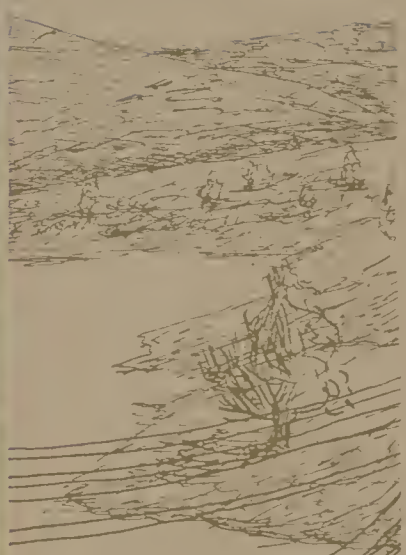
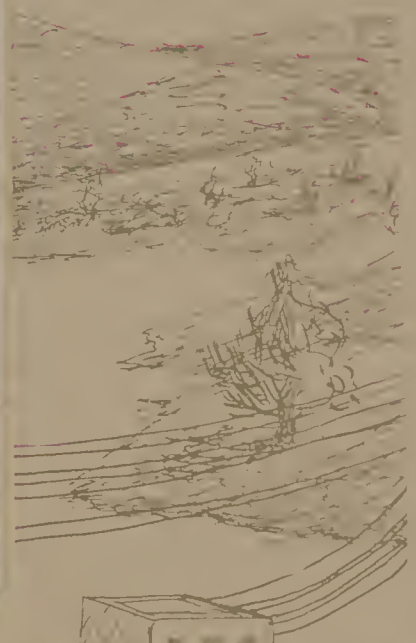
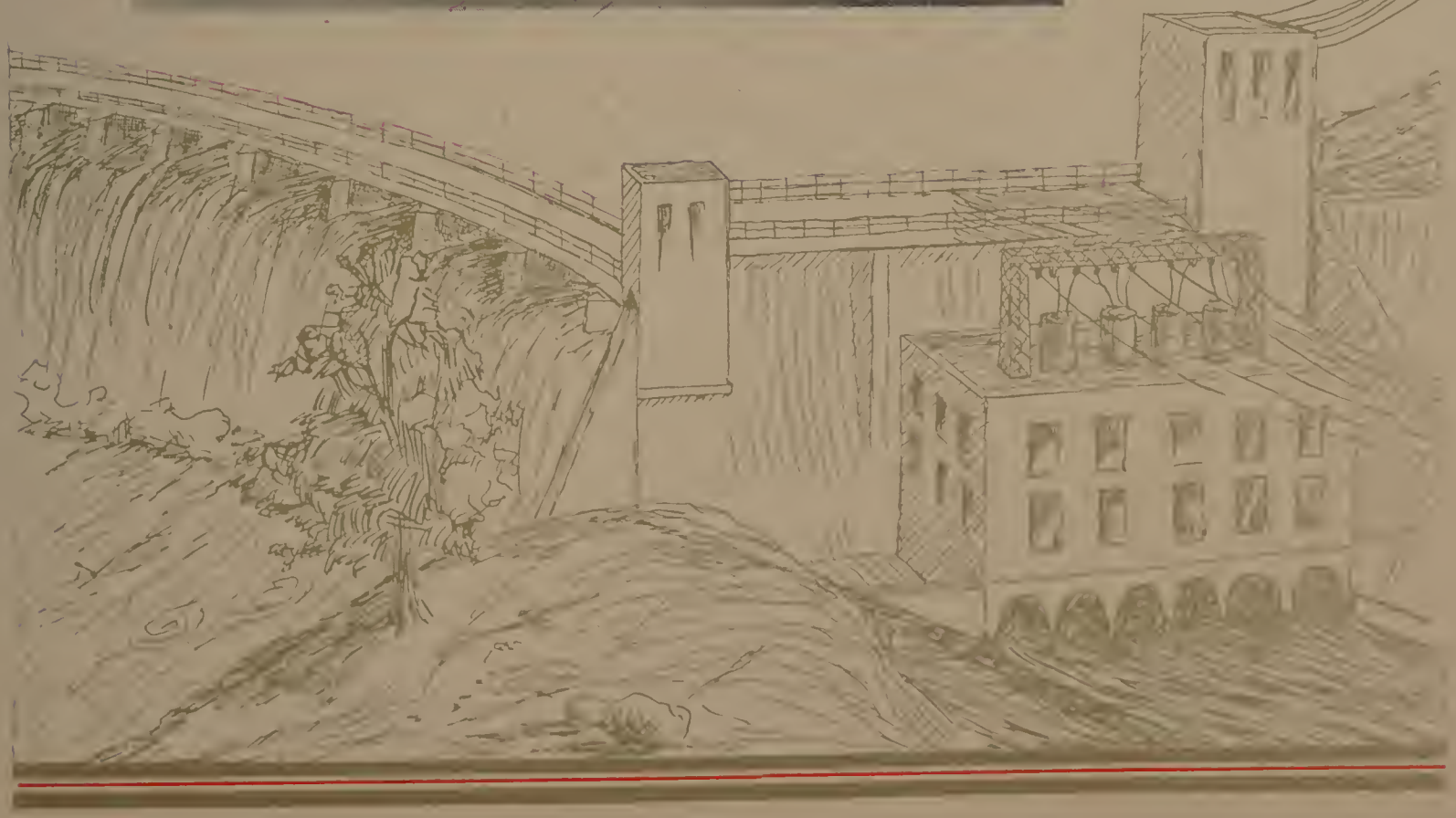
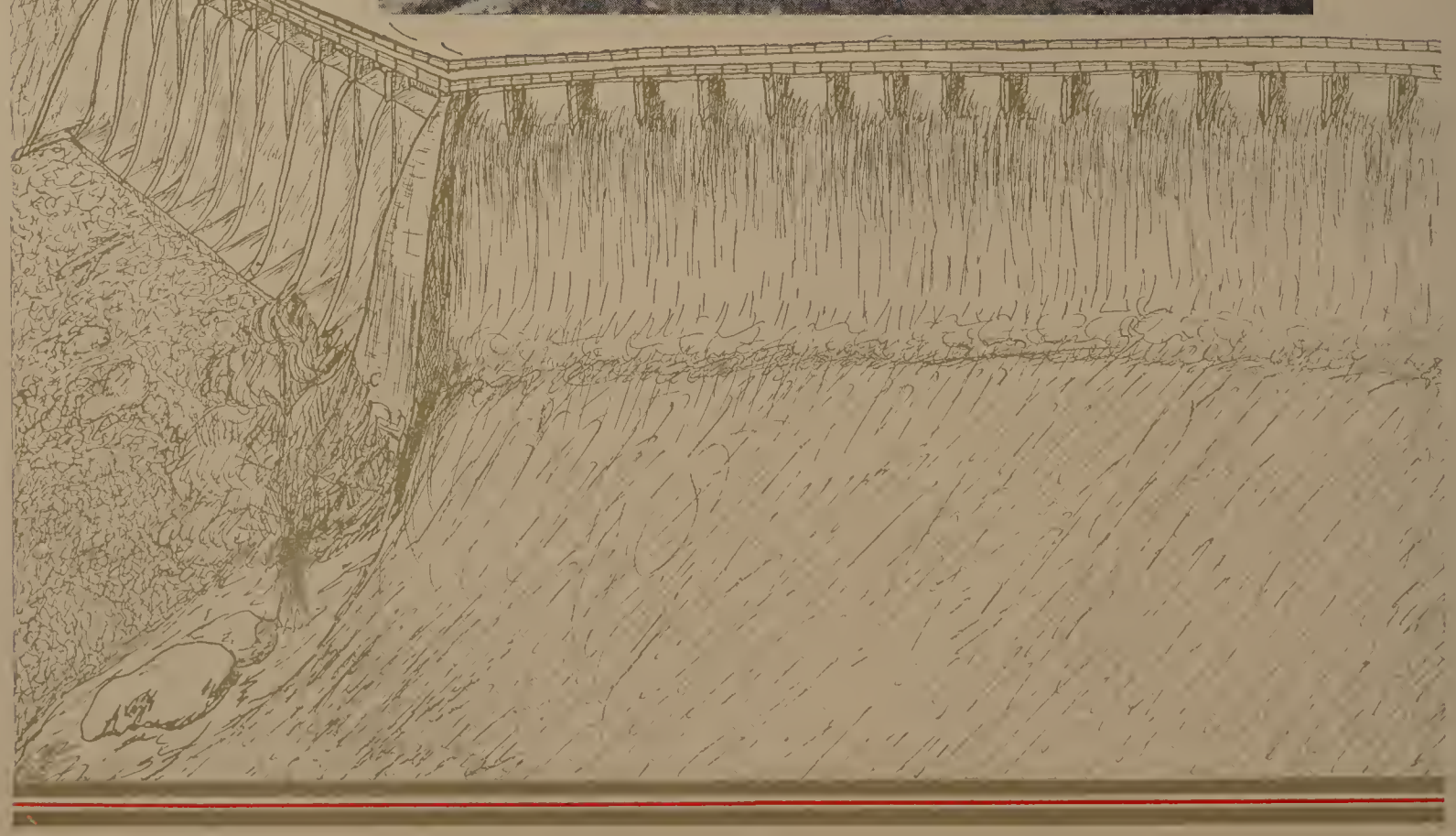
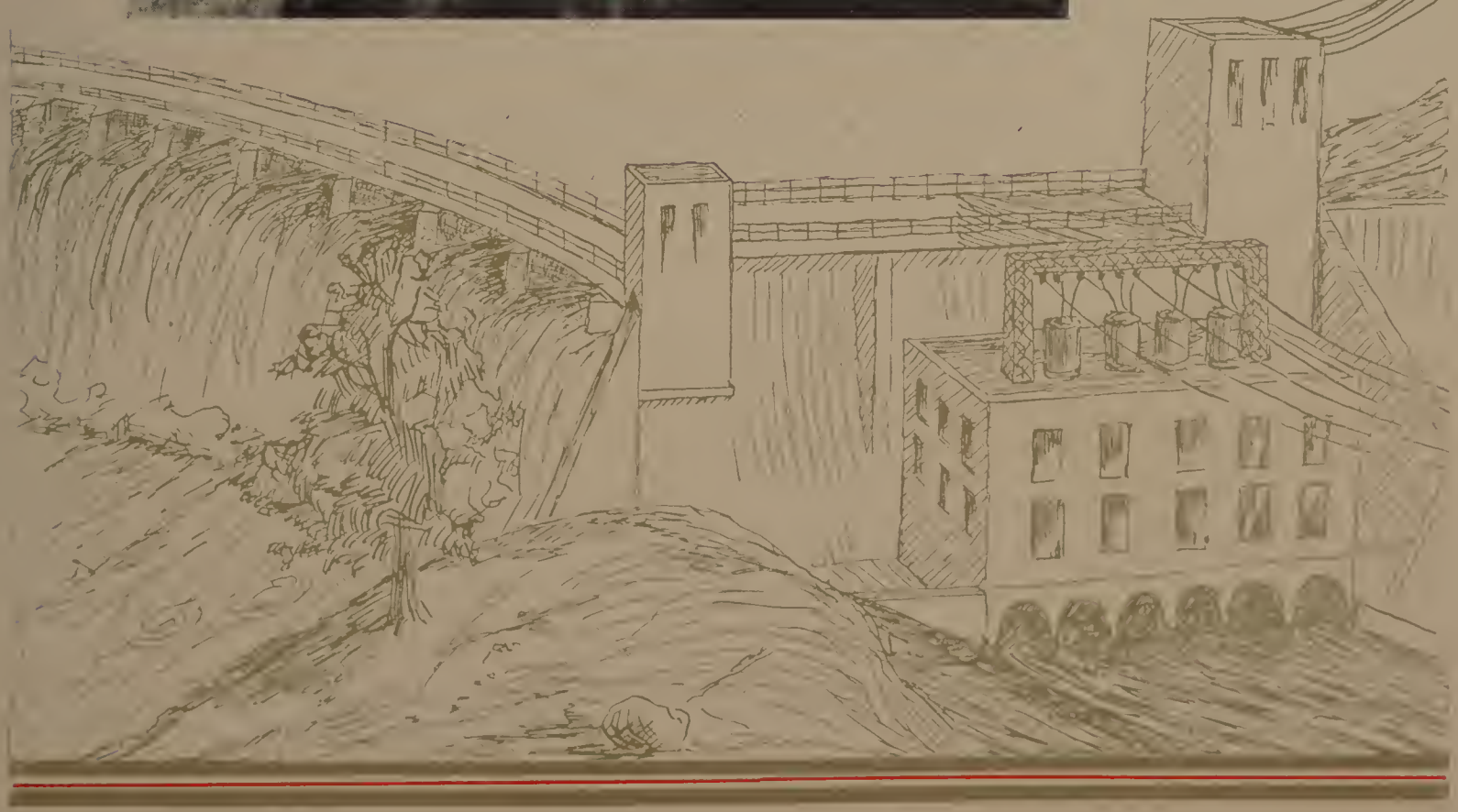
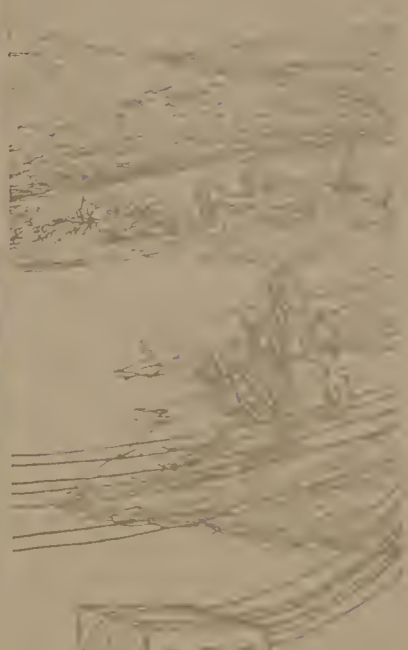


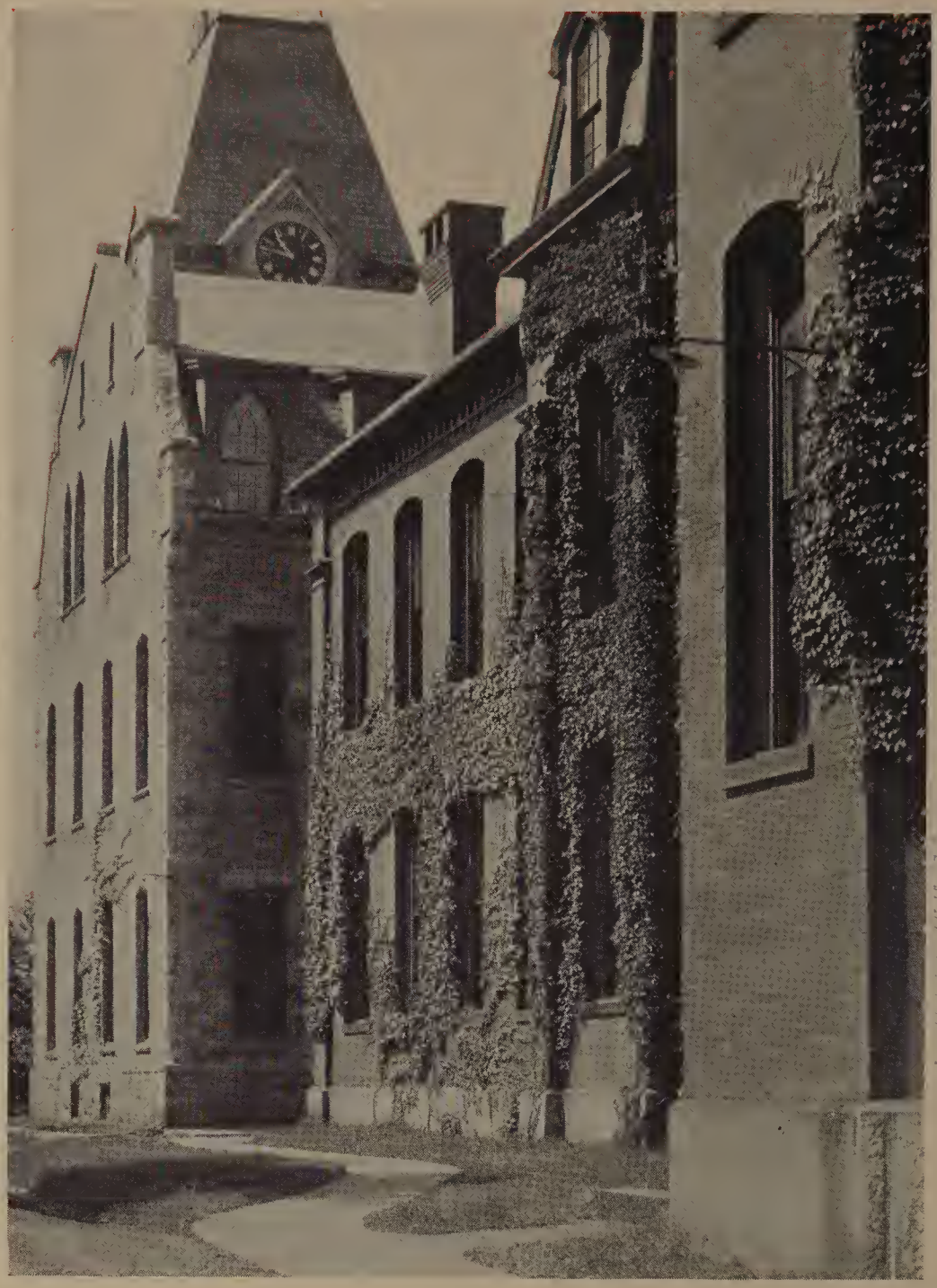


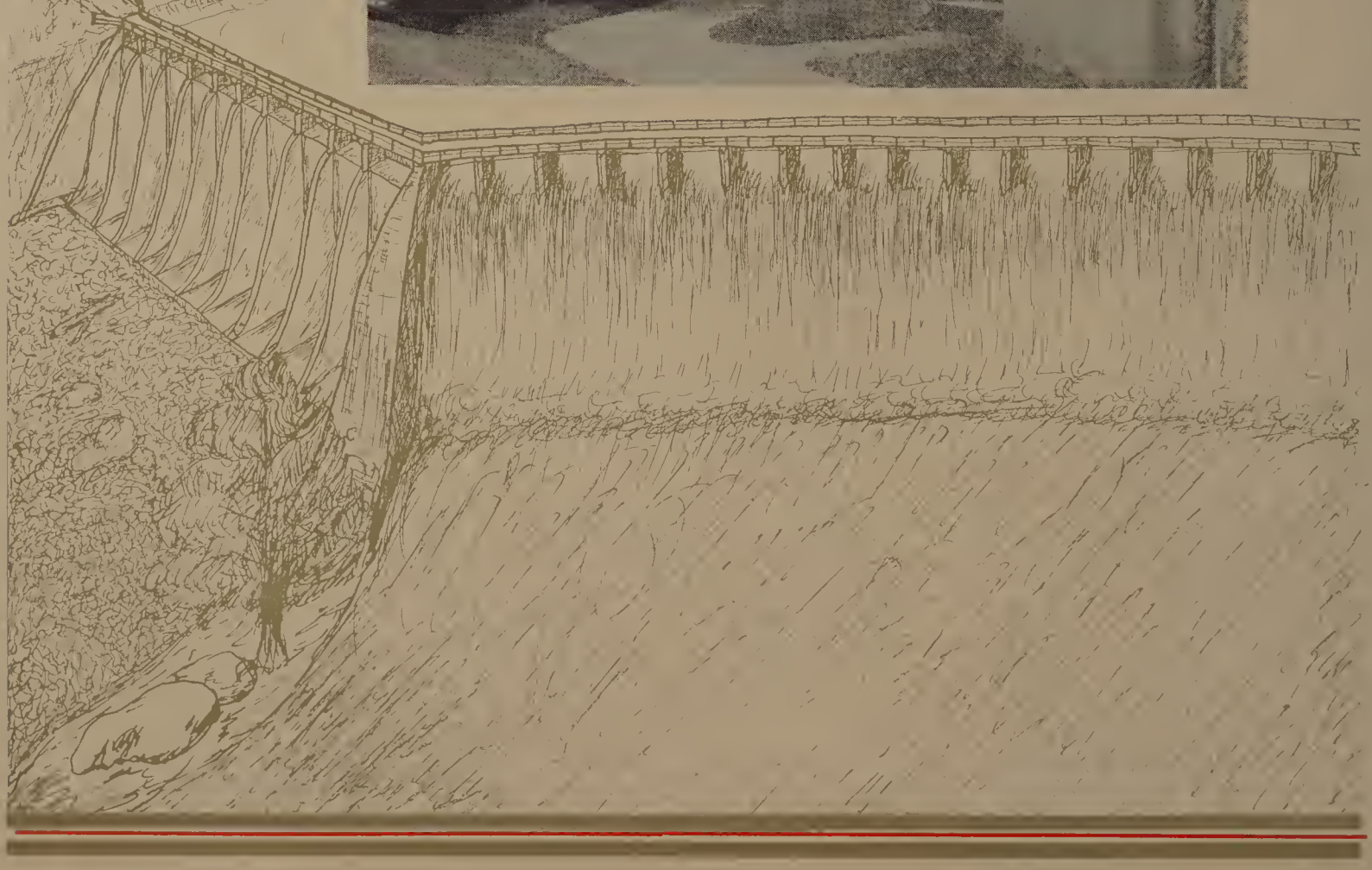


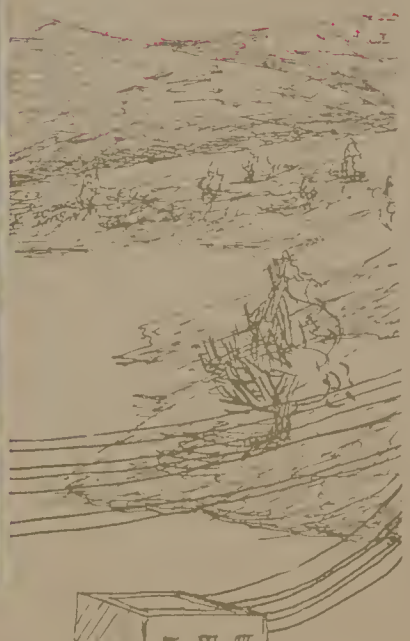












Board of Trustees
1930

FACULTY

CAPTAIN RALPH EARLE, U. S. N. (RETIRED)
President, Worcester Polytechnic Institute

Captain Ralph Earle, D.Sc.

U. S. Navy (Retired)

U. S. Naval Academy 1896; D.Sc. (Hon.), W. P. I., 1925; D. Eng. (Hon.) Rensselaer. 1926; Instructor in Electrical Engineering, U. S. N. A., 1910-11; Head. Dept. of Ordnance and Gunnery, 1915-16; Rear Admiral and Chief of Ordnance, 1917-1920. President of Worcester Polytechnic Institute, 1925-.

CAPTAIN EARLE first took up his duties as sixth President of Worcester Tech in 1925, previous to which he had spent thirty years performing meritorious work for the United States. While attending Worcester Tech in 1892 he received an appointment to the Naval Academy from which he was graduated four years later. He saw much active service during the war of '98 and in the years that followed was promoted rapidly until in 1916 he was appointed Chief of the Bureau of Ordnance.

The Bureau of Ordnance under Captain Earle's able leadership was directly responsible for two of the greatest accomplishments of the war; the construction of the Northern Barrage which practically put an end to the activity of enemy submarines, and the installation of naval railway batteries in France.

After the war he was in command of the ship Connecticut and from 1922 to 1925 was in charge of the Naval Torpedo Station at Newport, Rhode Island.

Captain Earle's five years at the head of Worcester Tech have been five years of expansion and development for the Institute. Never once has he lost sight of the fact that the Institute was founded to benefit youth; his years here have been years of the utmost loyalty and devotion to the best interests of the Institute and the student body.

Since his coming to the Institute he has been responsible for the many notable additions to the college. Occupying a prominent position among these is the Fuller Pool, one of the finest college swimming pools in the country; then comes Sanford Riley Hall, the Freshman Dormitory, the need of which had been felt for many years. Many also are the minor improvements on and about the campus. In accordance with his policy of always keeping abreast of the times he has had included in the curriculum a course in aeronautics coupled with actual flying instruction.

Even more than these readily apparent things has Captain Earle accomplished, and he has plans for even greater things in the future. Among these are numbered a students' activities building, and a new Mechanical Engineering Building.

Every Tech student holds "Prexy" in the highest esteem and regards him, as he himself would express it, as "a good shipmate." With Captain Earle as the guider of her destinies Worcester Tech cannot help but retain her position among the foremost of engineering colleges.

"Jinny"

GEORGE HENRY HAYNES

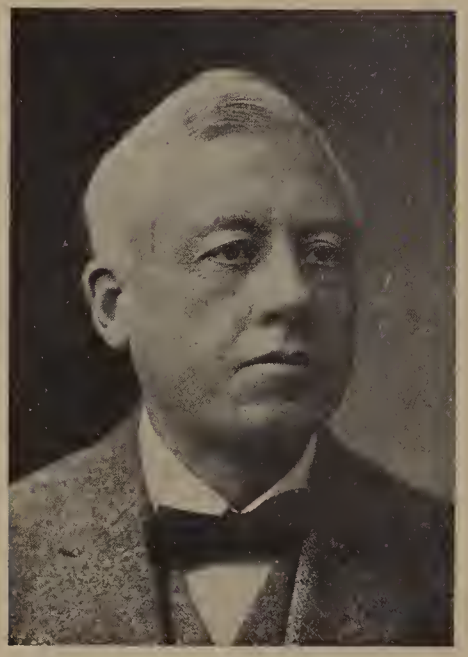
ΦBK ΣΞ ΔKE

Head of Department of Government and Economics

A.B., Amherst, 1887; Ph.D., Johns Hopkins, 1892; Instructor in Modern Languages, W. P. I., 1887-88; Mathematics, 1888-89; Modern Languages, 1889-90; Professor of Economics and Government, 1893-.

ALTHOUGH "Jinny's" voiee has mellowed with age until it is now nearly a whisper, his humor has lost none of its sharpness. "Jinny" "never misses a trick" in that line; he wasn't even hurried in keeping up with Professor Newcomb's Fuller leeture. If what that gentleman said about the physiological effect of laughter is true, then "Jinny" should have added ten years to his life.

He has taken upon himself most successfully this year some of the duties of publishing the "Journal" in Professor Taylor's absenee.



"Kaiser" "Pussyfoot"

WALTER LOUIS JENNINGS

ΣΞ

Professor of Organic Chemistry and Head of Department

A.B., Harvard, 1889, A.M., 1890, and Ph.D., 1892; Assistant in Chemistry, 1890-92; Parker Fellow at University of Berlin, 1893-94; Assistant Professor of Chemistry, W. P. I., 1894-99; Professor of Organic Chemistry, 1900-.

WE first became acquainted with "Doc," his exacting ways and his insights to philosophy in Sophomore Qualitative, and in this eourse, as in the ones that followed. he showed a keen interest in us and treated us all fairly and squarely.

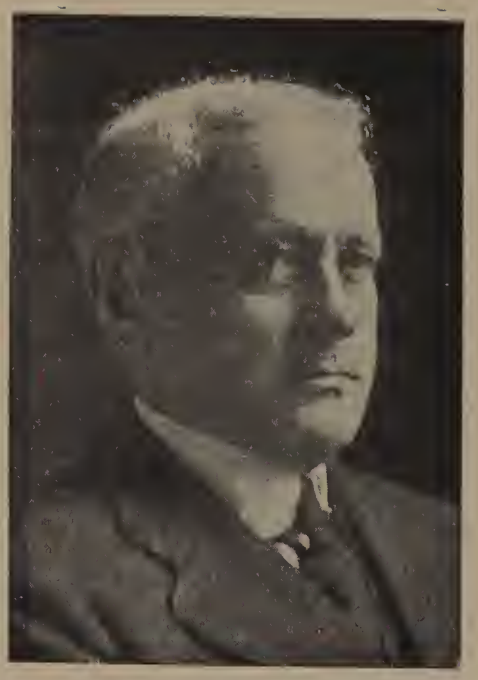
How we used to dread those blue books which he brought to elass in that familiar green bag. After eaeh exam "Doe" used to eome around to our desks in the lab and inform us that we didn't do so well on that last exam, and we would resolve to "erash through" the following month, but our resolves very often didn't materialize.

ZELOTES WOOD COOMBS

ΦBK AΔΦ

Professor of English, and Secretary of the Faculty

A.B., Amherst, 1888, and A.M., 1895; Instructor in English, Brooklyn Polytechnic Institute, 1888-89; University of Virginia, 1889-90; Clerk and Assistant in Languages, W. P. I., 1890-92; Instructor in Modern Languages, 1892-95; Assistant Professor, 1895-1901; Professor of French, 1901 03; English and Modern Languages, 1903-13; Secretary of the Faculty, 1910-; Professor of English, 1913-.



"Coombsie"

WHO is there among the rank and file of Tech's followers who will ever reminisce over his sojourn on the Hill and not remember "Coombsie"? From the first sincere handshake to the fair days of graduation, and ever after, the morals and teachings of this "young lawyer" will remain foremost in the memory of all. This fall he begins his fourth decade of service to Tech, but his deeds, actions, and bearing are as young as they were in the first.

HAROLD BABBITT SMITH

TBII ΣΞ BΘΠ

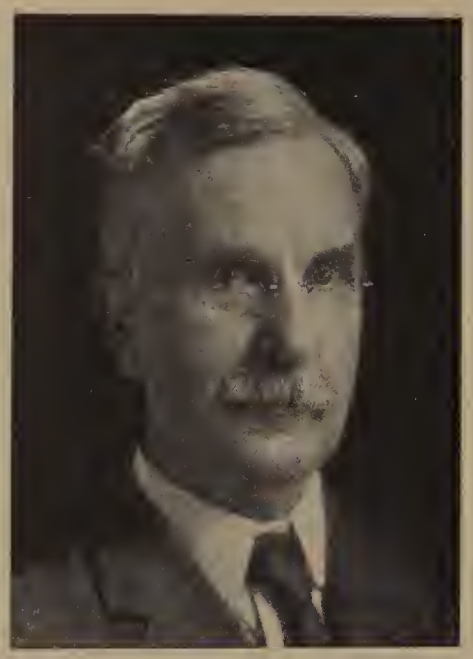
Head of Department of Electrical Engineering

M.E., Cornell, 1891; Adjunct Professor of Electrical Engineering, Arkansas State University, 1892-93; Professor, Purdue Univ., 1893-95; W. P. I., 1896-.

"H.B."

THIS year, for "H. B.," has been an eventful one, crowded as it was with the business activities incident to his office as President of the American Institute of Electrical Engineers.

With all his travels, which have led him all over the United States and Central America, he has still conducted his classes, and we have shared in his experiences by hearing first-hand accounts, plentifully aided by all kinds of interesting souvenirs, of the Edison Golden Jubilee, of the various conventions, and of conditions and development of the Institute in Mexico and Central America. All of these have helped immeasurably in stressing certain points in his courses and in acquainting the budding engineers with actual conditions in their future life.



"A. Wilmer"

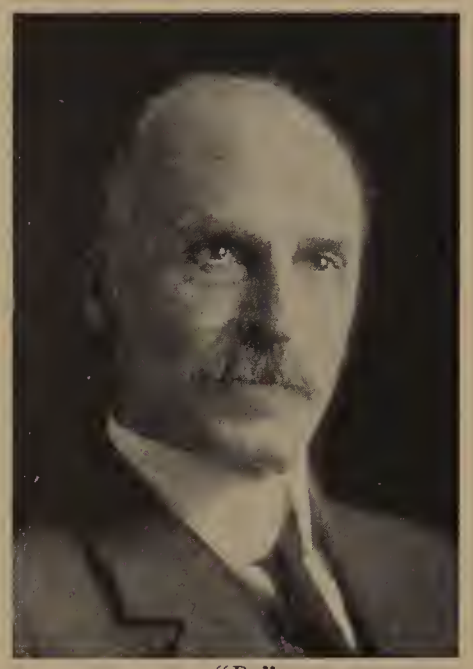
ALEXANDER WILMER DUFF

ΣΞ ΦΣΚ

Professor of Physics and Head of Department

B.A., Univ. of New Brunswick, 1884, and Univ. of London, 1887; M.A., Univ. of Edinburgh, 1888, B.Sc., 1892, and D.Sc., 1901; LL.D., Univ. of New Brunswick, 1920; Professor of Physics, Univ. of Madras, 1889-90; Univ. of New Brunswick, 1890-93; Purdue, 1893-99; W. P. I., 1899-.

THE stage is set. Sundry apparata have been carefully placed by assistants. A somewhat restless audience becomes quiet upon that inevitable throat-clearing cough, followed by the prologue, "Well, now, gentlemen, if you'll give me your attention—ah, there must be something the matter with the bell, don't you know." Only those who have attended Prof. Duff's lectures know what a privilege it is to witness such a famed magician in actual performance. The author of textbooks, is "A. Wilmer"; the man of nimble fingers and ready wit, the true master of his profession who can demonstrate any time that the hand is quicker than the eye.



"Pa"

ARTHUR WILLARD FRENCH

ΣΞ ΤΒΠ

Head of Department of Civil Engineering

C.E., Dartmouth, 1892; Associate Professor of Civil Engineering, 1895-98; Professor, W. P. I., 1899-.

"FRAMED STRUCTURES" and "Indeterminates" are the two courses that take the Senior Civils for their last 'ride' and it's "Pa French" at the wheel. Believe it or not, he "slows down to ninety on the curves."

In spite of his remarkable success in whittling them by June down to a small fraction of what they were the previous September, "Pa" still remains the most popular professor in the C. E. department.

Prof. French freely admits that he believes that the only way to educate college students is to overwork and drive them. While we may disagree with him—what student would not?—the remarkable successes achieved by graduates of his department seem to prove his theory.

RAYMOND KURTZ MORLEY

ΦΒΚ ΣΞ ΔΧΑ

Head of Department of Mathematics

A.B., and A.M., Tufts, 1904; Ph.D., Clark, 1910; Instructor in Mathematics, Univ. of Maine, 1904-07; W. P. I., 1910-11; Univ. of Illinois, 1911-12; Assistant Professor, W. P. I., 1912-17; Professor, 1917-21; John E. Sinclair Professor, 1921-.

"Doc"

"DOC" must have spent many sleepless nights and used up a great deal of effort in deriving his formula for determining when one of the members of his eight o'clock class is going to yawn, for it seems that he always knows. Being a good humorist as well as a good math instructor makes him an ideal prof, and one of our hopes has been that more of the faculty members would take his attitude and thus help make our work more enjoyable. "Doc" is never early for a class, but, on the other hand, he is never late.

PERCY ROBERT CARPENTER

ΣΑΕ

Head of Department of Physical Education

A.B., Harvard, 1907; Hitchcock Fellow, Amherst, 1906-09; Assistant Dean, 1908-10; Instructor in Physical Education, 1909-10; Assistant Professor, 1910-11; Associate Professor, 1911-16; Professor of Physical Education and Head of Department, W. P. I., 1916-.

"Percy"

AS athletic director, "Doc" manages to keep the purse strings of the A. A. treasury just tight enough to keep on the sunny side of the ledger. However, we have to admit that he has a pretty tough assignment when he tries to keep all the teams supplied with both equipment and repairs, not to mention "eats."

"Doc" is an ardent sportsman himself, but his favorite sport seems to be sitting in the press box on a cold windy day in November while the Sophomores chase the soccer ball around. "It's all for their own good," as "Doc" would say and when the strength tests come around everyone admits the logic of his argument.

Yes, "Doc" deserves a lot more credit than he usually gets.

"Brownie"

GEORGE HENRY BROWN

KKK Sphinx

Head of Department of Modern Languages

B.L., Dartmouth, 1894; A.M., Cornell, 1906; Acting Assistant Professor of Romance Languages, Cornell, 1912-13; Instructor, 1913-16; Assistant Professor, Hobart College, 1916-18; Professor, 1918-22; Professor of Modern Languages, W. P. I., 1922-.

NO other than good old "Brownie" himself! Upon an ever expanding foundation of worldly experience, knowledge, and that appreciative gift of humor, did he cause many a ripple of laughter to pass through his classes by giving us concrete explanations *a la Paris* of the principles of French grammar, or the derivations of French words, which until then, meant little or nothing.

Most unfortunately, Professor Brown was taken seriously ill just after Christmas, so that he was obliged to seek the peace and quiet of his New Hampshire home. As a true friend to all those who know him, his absence is keenly felt, and we of Worcester Polytech wish him a speedy recovery.

"Spider"

FRANCIS WILLIAM ROYS

ΣΞ ΦΣΚ

Head of Department of Mechanical Engineering

B.S., W. P. I., 1909, and M.E., 1917; Instructor in Mechanical Engineering, 1910-16; Assistant Professor, 1917-23; Professor, 1923-.

WE found that exposure to "Spider's" Dynamics course was as painless and yet as satisfactory as one could wish for, *if* one merely followed his maxim to "get the fundamentals."

To all men but the Mechanics, he had been merely a name, and the "Head of the M. E. Department," but certain men in that course had come to know him more intimately than others, although they never seemed to take advantage of their position.

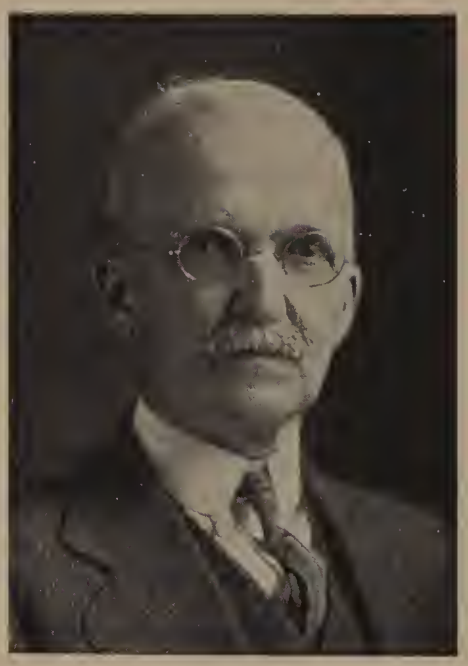
Hard-headed engineer though he is, "Spider" admits that he never can refrain from being startled when the test pieces in the big tension machine break. His nerves wouldn't last long in Chicago.

JOSEPH OLIVER PHELON

ΣΞ ΤΒΠ ΑΤΩ

Professor of Electrical Engineering

B.S., in M.E., W. P. I., 1887, and B.S. in E.E., 1890; M.M.E., Cornell, 1901; Instructor in Physics W. P. I., 1887-96; Electrical Engineering, 1896-1900; Fellow, Cornell, 1900-01; Assistant Professor of Electrical Engineering, W. P. I., 1901-07; Professor, 1907-.



"Joe"

"JOE," after having toured the better part of the United States during his sabbatical leave last year, returned to the Electrical Department with a new and varied line of stories, ranging from the pure joke to a true story of the far West, guaranteed to wake up the most dormant student. Once having accomplished this purpose, "Joe" continues upon his quest of the elusive ohm. It seems that he is usually the only one in the room able to do this, as those supposed to be in the hunt may be found chasing rainbows or other quarries more easily snared than the ohm.

ALTON LINCOLN SMITH

ΣΞ

Professor of Drawing and Machine Design and Assistant to the President

B.S., W. P. I., 1890, and M.S., 1899; Assistant in Mechanical Engineering Laboratory, 1890-91; Instructor in Mechanical Drawing, 1891-1900; Assistant Professor of Drawing and Machine Design, 1900-06; Professor, 1906-; Assistant to the President, 1923-.

"Dingtoe"

AS an instructor in Descript, "Dingtoe" did not seem to possess those potentialities as a "tough egg" which we had heard attributed to him. However, those who have been honored by one of his famous "invitations to the faculty ball" will testify that he is not quite as easy going as his white hair and pleasant features indicate.

"A. L.'s" course in machine design! Screw threads, Moments, Torques, Combined Moments—well, "nuff sed." They were bad enough with "Dingtoe" but when we conceive how much worse they might have been with other profs, we admit that we "got the breaks" after all.

"Charlie"

CHARLES METCALF ALLEN

ΤΒΠ ΣΞ ΣΑΕ

Professor of Hydraulic Engineering

B.S., W. P. I., 1894, and M.S., 1899, D. Eng., 1929 (Hon.). Instructor in Mechanical Engineering, 1894-1902; Assistant Professor of Experimental Engineering, 1902-06; Professor, 1906-09; Professor of Hydraulic Engineering, 1909-.

"CHARLIE'S" conferences are the bright spots of a Senior's day. The fine points of Hydraulics are driven home by stories from his own experiences. Needless to say, his lectures are always well attended. Besides being a hydraulic engineer he is an authority on air lubricated bearings as well as a delver into the secrets of gas and oil.

"Charlie" works on the basis that hydraulics is ninety per cent common sense and the rest theory. "Place yourself in a turbine bucket and which way do you go?" Disaster came when we were given a problem with something about lever arms in it, and we hadn't studied Mechanics for a whole year! Charlie and his cigar will always be remembered.

"Punk"

ARTHUR WOOLSEY EWELL

ΣΞ ΦΒΚ

Professor of Physics

A.B., Yale, 1897, and Ph.D., 1899; Assistant in Physics, Yale, 1897-99; Instructor, W. P. I., 1900-04; Assistant Professor, 1904-10; Professor, 1910-.

UNLIKE most profs, "Punk" confesses freely to his failings and is liked the better for it. Annual trips to Europe, where the educational system is much better than here (from no less an authority than "Punk" himself), serve as material for many interesting little digressions during Physics lab hours. These "digressions for a moment" often turn themselves into lectures which we never fail to appreciate. "Punk" frankly tells us that we probably don't understand half of what he is giving us, but despite this we always attend his lectures if only for his jokes and illuminating sidelights entirely unconnected with the subject at hand.

ALBERT SUTTON RICHEY

ΣΞ ΤΒΠ ΦΔΘ

Professor of Electric Railway Engineering

B.M.E., Purdue, 1894, and E.E., 1908; Assistant Professor of Railway Engineering, W. P. I., 1905-07; Professor, 1907-.

"Richey"

"RICHEY'S" one and only real teaching course, Railways, is attended by only a handful of Senior Electrics. He is also an attentive listener to their abstracts, and thus endeavors to rid these embryo business men of that epithet as given by a newspaper man at a recent convention, indicting engineers in general. He said that when an engineer presented a paper, he talked so low that few could hear him, and those who could had to be experts in order to understand him.

Although his teaching duties are light, "Richey" is by no means idle, for he is either on the road or busily at work solving some city's transportation problems all the time.

CARLETON ALLEN READ

ΣΞ ΘΧ

Professor of Steam Engineering

B.S., M. I. T., 1891; Instructor in Mechanical Engineering, 1891-99; Professor, New Hampshire State College, 1899-1908; Professor of Steam Engineering, W. P. I., 1908-.

"B. A."

WE first went to "B. A's" class in thermodynamics with vague misgivings because of the rumors spread by the upper classmen. We were told many times during the course, "Well, fellers, they ain't no theory in that, is there?" and much to our surprise there wasn't. The course had been rumored to be a deep, dark secret, but somehow or other, at the end of the term we knew a little about it, and could use the steam tables with fair skill, although now and then a few B. T. U.'s and entropies were lost. "Steam" also became an interesting course as soon as we learned how to "Suppose we had a pound of steam."

"Dinny"

DANIEL FRANCIS CALHANE

ΣΞ

Professor of Industrial and Electro-Chemistry

A.B., Harvard, 1894; A.M., 1896, and Ph.D., 1904; Assistant in Chemistry, 1899-1903; Instructor, W. P. I., 1903-13; Assistant Professor of Industrial and Electro-Chemistry, 1913-18; Professor, 1918-.

"DINNY" was perhaps the first one of our professors who gave us the credit of having any responsibility or of knowing much of anything. This attitude always commanded the respect of his students and we always worked willingly for him.

The Chemists have the closest association with him and those who were not fortunate enough to have him as Freshmen met him in Foreign Chemical Literature. In this course "Dinny" displayed his vast knowledge of the many branches of chemistry with his interesting explanations and his expanding of the technical German abstracts given by the students.

"Pa"

HOWARD PARKER FAIRFIELD

ΣΞ ΑΤΩ

Professor of Machine Construction

Instructor in Machine Drawing and Shop Work, Case, 1891-99; Instructor in Machine Construction, W. P. I., 1899-1914; Assistant Professor, 1914-19; Professor, 1919-.

"PA'S" office is a certain stopping place for every alumnus who comes back to the Hill, and he is never so pleased as when one of his former boys looks him up.

His methods of instruction, his aids in the shop, and his lectures are peerless. They bring results—sleep is one type of result, is it not?

Because of his long associations with the animal, he knows how to treat a machine in the right manner; particularly his automobile. "Pa" believes that if he never treats his car roughly, hurries it or browbeats it, especially on inspection trips, the faithful machine will well repay him, even if he does have to get up early in the morning when going on such a trip.

MORTON MASIUS

ΣΞ

Professor of Physics

Ph.D., University of Leipzig, 1908; Whiting Fellow, Harvard, 1908-09; Instructor in Physics, W. P. I., 1909-15; Assistant Professor, 1915-19; Professor, 1919-.

VERY fair, very square, is "Dutchy." He will spend half an afternoon going into the theory of a difficult point with a deserving student, most of which may be over his head, although the point itself is explained most lucidly. We say "a deserving student," for "Dutchy" is very discriminating and frank as to who should have the honor of being one of these.

A marked man because of his little traits and mannerisms which have, perhaps, held him a little aloof from typical Americanisms, "Dutchy" is at the same time respected and admired as much as any man on the Hill.

"Dutchy"

CARL DUNHAM KNIGHT

ΣΞ ΤΒΠ ΛΧΛ

Professor of Electrical Engineering

B.S., W. P. I., 1903, and E.E., 1908; Instructor in Electrical Engineering, 1904-08; Assistant Professor of Experimental Engineering, 1908-20; Professor, 1920-.

"C. D.'S" patience was given a very severe test this year and as in other years it was found to be inexhaustible. When the main breaker was blown out about the fourth or fifth time he would visit us and suggest that we "draw a diagram of connections exactly as you have it." The same mistake was not made again that day.

When "C. D." explained a point it was done so that the dumbest of us got it. Any question, whether foolish or otherwise, would be carefully answered. We often wondered what he thought, although perhaps it was just as well that we did not know.

"C. D."

"Ricey"

HARRIS RICE

ΣΞ

Professor of Mathematics

B.S., W. P. I., 1912; A.M., Harvard, 1922; Instructor in Mathematics, Tufts, 1915-19; Harvard, 1918; Assistant Professor, Tufts, 1919-20; W. P. I., 1920-24; Professor, 1924-.

COURSES with "Ricey" stand out as a bright spot in the already bright picture of one's first two years at Tech. A member of the famous group of math profs, "Ricey" is like them all in making, in his class explanations, the intricacies of Calc seem as so many foolish notions to bother the student;—until he gets home to work out his problems without "Ricey's" mental stimulants.

With patience seemingly inexhaustible, "Ricey" is never ruffled by the fool questions shot at him by Freshmen who have yet to learn the process of logical thinking which is the attribute of the successful engineer.

"Jerry"

JEROME WILLARD HOWE

ΣΞ ΘΥΩ

Professor of Civil Engineering

B.S., W. P. I., 1909; Instructor in Civil Engineering, Pennsylvania Military College, 1910-11; Assistant Professor of Civil Engineering, W. P. I., 1924-26; Professor, 1926-.

IT will be a long time before the Senior Civils forget "Jerry's" party last February. The bathtub of popcorn, the "stunts" of both student and professor, the "eats" and last but far from least the graciousness of Mrs. Howe; these will be remembered long after Major's quizzes are long forgotten.

Those quizzes were masterpieces after all. If one read the text three times, memorized the tables, took a mental picture of all sketches, one might be reasonably sure of—well, say a 47. However, in spite of those quiz marks, Major, we still think we got something out of your course.

CLARENCE ALBERT PIERCE

ΣΞ ΦBK ΦNΘ

Assistant Professor of Theoretical Electrical Engineering

B.S., Weslcyan, 1902, and M.S., 1904; Ph.D., Cornell, 1908; Assistant in Physics, Wesleyan, 1902-04; Instructor in Electrical Engineering, Cornell, 1904-11; Assistant Professor of Theoretical Electrical Engineering, W. P. I., 1911-.

"Doc"

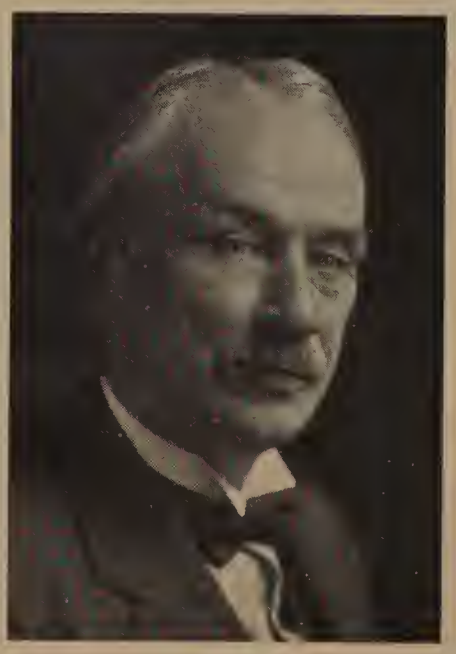
"NOW then fellows, you don't have to remember a thing, just work it out from the beginning and if you don't make any mistakes you'll get the right answer. Let's see, why Damn and Hell! I made a mistake back here." Those who have been so unwise as to expose themselves to the Theory of A. C. sit with puzzled faces gazing at those unintelligible diagrams slowly covering the blackboards. Then—something has happened. The tension has broken. Doc Pierce has started off on the World Series or how it is done in G. E. Thanks a lot, Doc, for reminding us that there is something in this world besides that Theory of A. C.

CHARLES JOSEPH ADAMS

ΘΔX

Assistant Professor of English

A.B., Amherst, 1896; Instructor in Modern Languages, W. P. I., 1908-1913; Assistant Profcssor of English, 1913-.



"Pop"

"POP" Adams! Just imagine being a Freshman again and having "Pop" for English Lit. How few of us really appreciate him when we have him. A course in English that must make a Freshman into a man of letters in a year—that is his task! And how well he does it. When one is through and the course is over, one feels that "Pop" surely has succeeded. Along with his jokes, delivered in his own inimitable fashion, he has sneaked in a lot of knowledge without one's knowing it. We know that most of the upperclassmen would be willing to risk another exposure to English just to have "Pop" as a teacher once more.

"Shrimp" "A. J."

ARTHUR JULIUS KNIGHT

ΣΞ ΘΥΩ

Assistant Professor of Civil Engineering and Superintendent of Buildings and Grounds

B.S., W. P. I., 1907; Instructor in Civil Engineering, 1910-16; Assistant Professor, 1916-17; Assistant Professor and Superintendent of Buildings and Grounds, 1917-.

"A. J." the little man with the great big cigar. He may not be as big as "Pa" French but we are willing to bet he creates just as much smoke.

"Shrimp" has an amusing little fairy tale he tells the Sophomore Civils every year—"This Railroads course isn't hard fellows—just the application of simple Trig." And that is what they believe . . . for the first week. But "A. J." manages to make his classes learn something in spite of themselves, and any one man that can make the average Civil learn anything about Stereotomy, Railroads, or Astronomy, deserves a great deal of credit.

"Rip"

FRANCIS JOSEPH ADAMS

ΣΞ ΤΒΠ

Assistant Professor of Electrical Engineering

B.S., W. P. I., 1904, and E.E., 1906; Graduate Assistant in Electrical Engineering, 1904-06; Instructor, 1907-17; Assistant Professor, 1917-.

"RIP'S" Sabbatical year's leave of absence has come, so this year's class of Senior Electrics has missed hearing the traditional "-er" and "-um" in his Transmission lectures.

However, we discovered on inspection trips last year that his patience is seemingly inexhaustible, as well it must be, we think, for him to catch the seven o'clock train to Boston every morning for a whole year as he is doing. Within his brown brief case "Rip" carries the tools of his profession: a twenty-inch slipstick and a copy of Nesbit. With these two he turns out miles and miles of distribution circuits and networks for the New England Power Company, and will probably return to W. P. I. next fall with the feeling that he has enjoyed a vacation!

SAMUEL JAMES PLIMPTON

ΣΞ

Assistant Professor of Physics

Ph.B., Yale, 1905, and Ph.D., 1912; Loomis Fellow, 1905-06; Assistant in Physics, 1909-12; Instructor, 1912-13; Johns Hopkins, 1913-14; W. P. I., 1914-19; Assistant Professor, 1919-.

"Plimp"

BACK in 1905, Yale produced an ardent member of that little band of learned men known as physicists, one Samuel Plimpton. "Plimp," as he is affectionately called, since coming to us, has made great progress in the field of research and discovery, and has "chalked up" various important improvements in conjunction with Professor Newell. In Sophomore recitations, his careful explanations, with scatterings of witty stories about Torricelli and Sir Isaac, contributed one of the few pleasures of the physics course. And again, the Juniors find this kindly personage their consoling inspiration in P. Lab.

HERBERT FOSTER TAYLOR

ΣΞ Skull ΣAE

Assistant Professor of Civil Engineering and Secretary of Alumni Association

B.S., W. P. I., 1912; Assistant Professor, of Civil Engineering, 1920-22; Assistant Professor of Civil Engineering and Secretary-Treasurer of the Alumni Association, 1922-.

"Herb"

"HERB" is the man who has put the lick in publications here on the Hill. He puts every ounce of energy into his Alumni work and his Journal publications. The latter have received worthy comment from several of the leading publications in this country and some of them have been reprinted by outstanding magazines.

During the past year Professor Taylor has been away from the Hill because of illness due to overwork, and a great deal of difficulty has been experienced in carrying on his duties. Those who have assumed his burdens wonder how he ever found time and energy to do all his work. We greatly admired "Herb" and sincerely hope he will be back on the Hill soon.

"Mac"

GLEASON HARVEY MacCULLOUGH

ΘΥΩ ΤΒΠ ΣΞ

Assistant Professor of Mechanical Engineering

B.S., W. P. I., 1918; Instructor in Mechanical Engineering, 1918-24; Assistant Professor, 1924-.

THE name "Mac" is a synonym for ambition and concentrated pep. Besides teaching most of the important M.E. courses, he finds time to take a couple of courses himself. These courses proved his undoing, however, on at least one occasion. The Senior Civils won't forget "Jerry" Howe's party where one group of eleven, when told to elect a student dishwasher, remembered that "Black Mac" was a student for an advanced degree and promptly cast an unanimous ballot for him. However, Professor MacCullough is a really popular instructor and that is saying a lot for a man who hands out as many screws as he does.

"Happy"

HAROLD JOSEPH GAY

ΣΞ

Assistant Professor of Mathematics

A.B., Harvard, 1919; A.M., Clark, 1922; Instructor in Mathematics, W. P. I., 1919-24; Assistant Professor, 1924-.

PROFESSOR GAY, with his smiling cheerfulness and ready wit, has that rare faculty of injecting interest into the study of mathematics. "Happy" is one of the biggest men on the staff at W. P. I., but his heart is just about two sizes bigger and his voice bigger still. Any time you are wandering about in Boynton Hall, you are likely to hear the stentorian voice of Professor Gay expounding involved mathematics in meticulously correct English. We have never heard Professor Gay address anyone, even a Freshman, as anything but "Mr." and for that reason have always felt rather warmly toward him.

MAURICE EDWARD SMITH

ΣΞ

Assistant Professor of Chemistry

B.A., Univ. of New Brunswick, 1917; M.A., Univ. of Toronto, 1919, and Ph.D., 1921; Assistant in Chemistry, 1917-21; Lecturer in Organic Chemistry, Queen's Univ., 1921-22; Instructor in Chemistry, W. P. I., 1924-27; Assistant Professor, 1927-.

"Tombstone"

WHERE did "Tombstone" get his nickname? Let us quote from one of his lectures. "Now, gentlemen, do not suppose that a $50,000 casket will keep you in your entirety long after you have been placed in it. It isn't the worms which get you, it's the bacteria you carry with you right now."

Perhaps what tickles the Civils more than anything else, however, is his habit of addressing the joint sanitation class as "The engineers and chemists."

FRANK ARTHUR BURR

ΣΞ ΦΣΚ

Assistant Professor of Mechanical Engineering

M.E., Brown Univ., 1905; Assistant Professor of Mechanical Engineering, Cornell Univ., 1909-11; Univ. of New Hampshire, 1922-26; Georgia School of Technology, 1926-27; W. P. I., 1927-.

"Fab" *"Pan"*

THE latest song hit, "Piccolo Pete", was written expressly for Professor Burr; on no less an authority than the "C. E. Survey"!

One winter day the Senior Mechanics, just starting upon a Gas quiz, were startled out of their accustomed energetic lethargy by three loud blasts sounding like a factory whistle. However, it was only "Pan", rehearsing for his role as band coach for the evening basketball game. He certainly has done noble work in developing the W. P. I. band up to the point where it can well hold its own. The Mechanics say it is a noble job, for it was the means of cancelling at least one Saturday A.M. quiz during the Fall.

"Rosy-Cheeks"

FREDERIC RAYMOND BUTLER

ΤΒΠ ΣΞ

Assistant Professor of Chemistry

B.S., W. P. I., 1920, and M.S., 1922; A.M., Harvard, 1924, and Ph.D., 1925; Graduate Assistant in Chemistry, W. P. I., 1920-22; Instructor, Mass. Agricultural College, 1925-27; Assistant Professor, W. P. I., 1927-.

DESPITE his cunning little smile and his pretty blushing cheeks, Dr. Butler is fast convincing everyone that he is the logical candidate for that enviable (?) position held so ably until of late by our old friend "Tombstone."

We wonder what might account for his vacant expression when one greets him with a cheery "Good morning", and the entire lack of recognition when one passes him on the stairs. We hold our own opinion that he is planning the next hour exam in Theoret:— an hour exam that will take at least two if not three hours to complete. It causes him great delight when the average for the exam is down to 35%, and his raptures know no bounds when he catches, as he often does, a shark or two.

"Ham"

HAROLD ARTHUR MAXFIELD

ΤΒΠ ΣΞ ΛΧΑ

Assistant Professor of Electrical Engineering and Superintendent of the Dormitory

B.S., W. P. I., 1916, E.E., 1925, and M.S., 1927; Instructor in Electrical Engineering, 1921-27; Assistant Professor and Superintendent of the Dormitory, 1927-.

WHEN we think of the Freshman Dormitory, we shall always remember Professor Maxfield, whom we later came to know as "Ham". His cheery "Hi" at first made us feel quite at ease in our new home in Worcester. Neither shall we forget how he aged during our stay at Tech. Perhaps it was from disciplining the wayward Freshmen, or more likely, solving the mystery of the departed hands of the Boynton Hall Clock. We held fond memories for "Maxie" until we met him in the classroom, our Junior year. Then we believed what we had heard before, "he was as glumly reticent as the proverbial clam." He let us work it out for ourselves, and sometimes that was painful.

HOBART HALLETT NEWELL

ΤΒΠ ΣΞ ΑΤΩ

Assistant Professor of Electrical Engineering

B.S., W. P. I., 1918; Instructor in Electrical Engineering, 1921-28; Assistant Professor, 1928-.

"Sparks"

"SPARKS" NEWELL is greatly esteemed by all who have had the good fortune to be in one of his classes. He has acquired a secret which we sincerely wish he would impart to some of the other professors, the art of painless teaching. "Sparky" seems to cast a spell over the lazy and sleepy student, causing him to take an interest in the class. The apparently most complicated circuit diagrams appear simple when he analyzes them for us with lightning speed. His constant reference to the practical side of electrical theory causes our waning spirits to return with new life. Outside the classroom, "Sparky" still persists in making life interesting; he spends the late hours of the evening keeping the local radio station on the air.

KENNETH GERALD MERRIAM

ΣΞ ΘΥΩ

Assistant Professor of Aeronautical Engineering

S.B., M. I. T., 1922; Instructor in Mechanical Engineering, Univ. of Maine, 1922-23; W. P. I., 1923-28; The Elmer P. Howe Professor of Aeronautical Engineering, 1928-.

"Pinkie" "Cagey"

"PINKIE'S" peaches and cream complexion and his beardless chin are, as they should be, a source of ever increasing wonder to underclassmen, especially when they learn that he is eight years out of college. It has been whispered about the campus that "Cagey" has secretly used certain well-known hair tonics in a hitherto vain attempt to remedy this provoking state of affairs. However, we predict that a few years of married life is going to do more good than several gallons of tonic.

The much abused "freebody" is "Pinkie's" pet plaything. Indeed, it is his firm belief, we think, that the drawing of a correct F.B. represents the highest type of engineering analysis.

"Shorty"

THOMAS KILGORE SHERWOOD

ΑΧΣ ΣΞ

Assistant Professor of Chemical Engineering

B.S., McGill Univ., 1923; M.S., M. I. T., 1924; Assistant in Chemical Engineering, M. I. T., 1923-25; Research Associate, 1925-; Lecturer in Chemical Engineering, W. P. I., 1925-.

IN OUR Junior Course of Stoichiometry we gained the acquaintance of Mr. Sherwood and we have labelled him as one of the best liked instructors in the department. The apparent ease with which he slid answers to problems off his slide rule often amazed us, but his careful and clear explanations made everything apprehendable. His exams were "to boost our grades up" as he said, but often they had the opposite effect. However, we always felt that flunking one of "Shorty's" exams reflected on our own ignorance and not on his teaching ability.

"Chief" *"Carl"*

CARL FREDERICK MEYER

ΤΒΠ ΣΞ ΘΧ .

Assistant Professor of Civil Engineering

B.S., W. P. I., 1922; Instructor in Civil Engineering, 1924-29; Assistant Professor, 1929-.

ONE of the unfortunate occurrences occasioned by students not taking the Civil Course is the failure to have "Carl" in their work. Having the ability to "get his stuff across" has made him one of the most popular and successful instructors on the "Hill."

This year "Carl" displayed his ability as a practical engineer by designing for the city of Springfield, Massachusetts, the famous triangulation system of the Cobble Mountain Water Project. Having been selected for this position was a mark of considerable distinction and was no more deserved by any other than our own "Carl."

INSTRUCTORS

LOUIS WINDSOR RAWSON

B.S., W. P. I., 1893; Superintendent of Washburn Shops, 1903-23; Manager, 1923-24; Manager of Washburn Shops and Instructor in Organization and Finance, 1924-.

"Rawson"

"RAWSON" has been at least seen by very nearly all the undergraduates who have had machine shop courses. He is the person who is forever busily traveling in and out of the Washburn Shops offices, puffing away at a cigar stub and carrying a sheaf of important-looking bills and documents.

The Mechanics, after a greasy period of learning the actual shop operations, learn an entirely new side of business in the actual financial and personnel organization under Mr. Rawson's capable instruction.

"Burt"

BURTON LINWOOD GRAY

Instructor in Foundry Practice, 1910-28; Instructor in Foundry Practice and Manager of the Washburn Shops, 1928-.

"BURT" is never too busy to talk to us about grey iron and the best foundry practice. On inspection trips we found him to be a good sport, explaining everything and asking questions so that we could understand what we were seeing.

Now, however, since he is Superintendent of the Washburn Shops he has had to give up much of his teaching. We sincerely hope that the gain to the Washburn Shops will make up for our loss.

WALTER WILLIAM MUNROE

Instructor in Pattern-Making, 1915-25; Instructor in Pattern-Making and Drawing, 1926-.

"Pop"

IT is rather hard to forget "Pop" Munroe. Indeed, as Drawing Instructor, he engraved himself rather indelibly on our memories. A little red pencil did the trick. A few flourishes and a couple of crosses was "Pop's" usual method of making a piece of modernistic art out of what had been a fairly good free-hand drawing.

In spite of his red pencil, "Pop" is a pretty good fellow. He always has a cheery "hello" for everyone on the campus and a smile for all his classes.

"Colonel"

HAROLD WINTHROP DOWS

TBII

B.S., W. P. I., 1918; Instructor in Mechanical Engineering, 1919-.

SOMETHING wrong with your Ford, watch, sewing machine or baby carriage? Just ask "Banjo Eyes" about it and he'll fix you up. How, we wouldn't be so bold as to say, but he'll get results.

For those of us who were interested in machine shops, "Colonel" always had something new, for those who weren't he helped to make the course far more interesting than they had anticipated. As for his drawing problems,—well, the less said about them the better.

WILLIAM LEWIS PHINNEY, JR.

ΣΞ ΦΓΔ

B.S., Dartmouth, 1920; A.M., Clark, 1922; Instructor in Mathematics, W. P. I., 1920-.

REMEMBER those first two weeks in "Bill" Phinney's Trig class? Remember how scared we all were? "And then came the dawn," when we found that, under his shell of cynicism and sarcasm, "Bill" is a "regular feller." Yes, and when he flays you and leaves you flinching from the roars of a laughing class there may be murder in your heart, but, after you think it over, you begin to realize that there is something about "that man Phinney" that makes you like him.

"Bill"

"Carl"

CARL GUNNARD JOHNSON

Instructor in Forge Practice, 1921-.

CARL JOHNSON? Of course; none other than the golden-complexioned young god of Thor who rules the Forge Shop, and who conducts those dreamy three-hour lectures concerning cementite "aggygate" which seems, somehow or other, to become inextricably bound up in one or another species of iron with pearlite, austenite, trulsite or some other sites, which surely would be a sight if they combined in a "seggeygate" as envisioned by some students. However, Carl keeps them all as immaculately straight and orderly in his mind as his attire, even after a hard day at work.

IVAN EDWIN BIGLER

Athletic Director, Juniata College, 1913-15; Instructor in Physical Education and Head Coach of Football, Baseball and Basketball, W. P. I., 1921-.

"Pete"

"PETE" is the busiest man on the Hill. He is always occupied with some one of the athletic teams, whipping it into shape and doing his best to turn out a winning combination. He can be seen on the bench during any of the games, with his knees in the region of his chin, sweating bullets while his proteges struggle valiantly for their Alma Mater and for "Pete" himself.

"Pete" is also noted for his ability as a hunter and fisherman and as an after-dinner speaker is always in demand.

"Sis"

WILLARD ELLIOTT LAWTON

ΣΞ

B.S., W. P. I., 1920, and M.S., 1922; Graduate Assistant in Physics, 1920-22; Instructor 1922-.

IF all our instructors were like "Sis" Lawton how extremely pleasant would be our stay at Tech,—yes, and it might be longer, too, for many of us.

"Sis" knew the Physics text from the foreword through the index. Beyond this point we can vouch for nothing. As for worldly matter,—well we never could inveigle him into a discussion of companionate marriage or the possibilities of national suffrage for the cast-offs of the burlesque circuit,—which, "Sis" admits, are very scanty. He is really a necessity in the Physics Department.

CARL WILLIAM LARSON

B.M.E., Northeastern, 1923; Instructor in Mechanical Engineering, W. P. I., 1923-.

"Butch" "Wolf"

THE patience of students in Free Hand Drawing seldom outlasts that of Mr. Larson, when they are asked for the sixth time, "Kindly take your seats a moment," in the tone of, "Disperse, ye wastrels." He continues with, "I find the following blunders copied from sheet to sheet." in the tone of "What manner of dumbbells be ye?" After this it is no longer Carl Larson but "Butch." Even so, those who are in "Wolf's" classes may consider themselves lucky, for although perhaps real wolves don't bark, this one does, and fortunately it is worse than his bite.

"Silent"

EDWARD CHOATE BROWN

A.B., Harvard, 1918; M.A., Univ. of Maine, 1923; Instructor in Mathematics, General Electric Engineering School, 1918-21; Univ. of Maine, 1921-24; W. P. I., 1924-.

RETIRING modesty personified: that's Mr. Brown. He has been instructor in mathematics at W. P. I. since 1924, and, as the saying goes, he "knows his stuff." Despite his small size he packs a lot of mathematics around with him. His outstanding trait is his consideration for the feelings of others. We honestly believe it hurts "Silent" even to tell a student he's wrong. He is the direct antithesis of his colleague, Professor Gay, in physique, manner and speech. They are alike in their liberal endowment with the qualities of good teachers.

JOHN HAMILTON WHENMAN

B.M.E., Northeastern University, 1926; Instructor in Mechanical Engineering, W. P. I., 1926-.

"HAM" is a pretty fair man at finding errors in machine drawings for the industrious Sophomores, and fortunately he hasn't acquired the red pencil habit to a very great degree so far. But watch out, "Ham," it runs in the family and it's liable to get you yet!

Both in and out of class "Ham," although seeming a bit shy and meek, is right there with the information, whether it be concerning the construction of a turbine, or the price of baby carriages.

"Ham"

"Clyde"

CLYDE WARNER HUBBARD

ΤΒΠ ΣΑΕ

B.S., W. P. I., 1926; Graduate Assistant in Mechanical Engineering, 1926-27; Instructor in Mechanical Engineering, 1927-.

OUT at Chaffins for the afternoon! A tall, tanned chap in a gray shirt and a black pipe gripped between a pair of firmly set jaws. It's Clyde, of course. But it wouldn't be him without these two accessories.

Clyde's course in hydraulics was really the most popular course of our Senior year, since it never took over fifteen minutes to copy someone else's homework while his three minute quizzes would offer little opposition to a Freshman. However, we did come to know what a really fine scout an instructor can be and still instruct.

PAUL RICHARD SWAN

ΔM

A.B., Clark Univ., 1926; Secretary of Boys' Work, Worcester Y. M. C. A., 1923-25; General Secretary, W. P. I. Y. M. C. A., 1925-28; General Secretary, W. P. I. Y. M. C. A., and Instructor in English, 1928-.

"Paul"

AS general secretary of the "Y" Paul is more closely associated with the fellows than any other instructor on the "Hill." As Freshmen we all became acquainted with him and the habit we formed of going to him with our problems concerning our college work stayed with us through our four years, and we always found him willing to help us out. Along with his "Y" work Paul has the daunting task of instructing the Freshmen on correct English.

"Twinkle Twinkle"

ERNEST WALTER STARR

ΤΒΠ ΗΚΝ ΘΑ

E.E., Cornell, 1925; Instructor in Electrical Engineering, 1925-27; W. P. I., 1927-.

"TWINKLE," with his fund of knowledge acquired under the direction of the well-known Professor Karapatoff, has endeavored to impart some of it to the Senior Electrics this year in the field of transmission line calculations in the absence of "Rip." During the three years that he has been here "Twinkle Twinkle" has not only broadened the students' field of knowledge, but has had an admirable chance to do the same himself, for he has taught a different course each year.

CHARLES GROVER HAINES

ΤΚΑ

B.A., Ursinus, 1927; Scholar in History and International Relations, Clark University, 1927-28; Instructor in Economics and Government, W. P. I., 1928-.

"Lo Ball"

WITH the bowl of a pipe or the silver wrapper of a cigar peeping out of his coat pocket, "Lo-Ball" leans back in his chair and bewilders the ever-suffering Juniors with a barrage of questions on Economics or Government. Again, safely entrenched behind some mammoth books piled upon his desk, he smilingly watches them sweating under the burden of completely answering four questions in fifteen minutes. "Young Haines" is highly entertaining, nevertheless, filling in the dull moments with anecdotes, he always prefers to tell the amusing story himself.

"Fitzy"

J. EDWARD FITZGERALD

ΑΕΥ ΑΣΑ

A.B., Clark Univ., 1927; Student Assistant in Geology, 1925-27; Instructor in Modern Languages, W. P. I., 1927-.

IT is a pleasure to be under the tutelage of that handsome, always smiling French Instructor of ours, otherwise known as "Fitzy."

While it is an admitted fact than an instructorship at Tech is a very desirable occupation, we had always supposed it was for merely the social or philanthropic viewpoint and not the financial. It must be the latter, however, with "Fitzy," for otherwise how could he sport three entirely new cars in the space of one year? Perhaps he even knows nothing of the stock market crash.

ARTHUR JUSTIN STAPLES

ΣΧ

B.S., University of Maine, 1927; Instructor in Mechanical Engineering, 1927-.

"AJAX" has been pushing himself to keep up with the demands upon him for engine work, upon which he is specializing. Everything from Whippet engines to Liberties and Whirlwinds come under his eagle eye, and he has had his hands full the past season in playing instructor to the local Curtiss Ground School.

"Ajax" seems to enjoy himself most when he spends three hours with a blow-torch, alternating between that and an air compressor, in trying to get the semi-Diesel engine going long enough to make a five-minute test.

"Ajax"

"Higgy"

EDWIN HIGGINBOTTAM

AM

Instructor in Modern Languages

A.B., Clark Univ., 1926; Instructor in Modern Languages, W. P. I., 1927-; Acting Head of Department of Languages, January, same, 1930.

"HIGGY," although a Clark man, seems to enter very well into the Tech atmosphere. If you doubt it, just ask the soccer, squash, or hockey players. Incidentally, he teaches French and Spanish, doing it just as ably as he does everything else into which he enters. Those who have not been lucky enough to have had "Higgy" either on the athletic field or in the classroom may be pitied for they have missed knowing a fine sportsman, and a real gentleman.

CLAUDE K. SCHEIFLEY

ΦΚΤ ΗΣΦ

A.B., Univ. of Pa., 1928; Instructor in German, W. P. I., 1928-.

"C. K."

"C. K." is one of the younger members of Tech's teaching staff, and one of the most popular. He is the man who first taught us that "Deutsch" does not mean Dutch. We have always admired his patience with the obtuseness of his German I students. He comes from good old Pennsylvania Dutch stock and due to his studies probably knows more German than the average native German does. His one great mission in life seems to be to get across to his disciples the idea that German is a simpler language than English, but to date his efforts have met with no marked success.

"Don"

DONALD GRAHAM DOWNING

ΦΣΚ Skull

B.S., W. P. I., 1926; Instructor in Civil Engineering, Lehigh Univ., 1926-27; Instructor in Mechanical Engineering, W. P. I., 1927-.

"WHAT? You've never seen 'Don' make a basket with one of those fast, overhead shots of his? You should, it's an art!"

Yes, the very same "Don" who is the clever, witty instructor in the classroom, instills the rudiments of basketball into those to whom he has been teaching "descript." And the strange part of it is, he does both with equal ease and finesse. We're wishing him luck in removing the embryo "bay-window" he's so worried about.

RICHARD BURT DOW

AEY

A.B., Clark, 1927, and A.M., 1928; Assistant in Physics, Clark, 1926-28; Instructor, W. P. I., 1928-.

"F. A."

MR. DOW is certainly well versed in the Physical World for he can expound and elaborate on 'most any theory. However, the classes have found it rather difficult to follow his line of reasoning at times and so have rather misunderstood him. Mr. Dow is always glad to repeat any of his statements and will patiently go through his derivations again and again if necessary. The students generally gain the subject matter of his classroom lectures before they leave, and if they don't it is nobody's fault but their own. In Junior Physics Laboratory, especially, we found him very efficient.

"Harry"

HARRY BENJAMIN FELDMAN

ΦΒΔ ΣΞ

B.S., W. P. I., 1926, and M.S., 1929; Student Assistant in Chemistry, 1925-26; Graduate Assistant, 1926-27; Graduate Assistant in Chemistry and Physics, 1927-28; Instructor in Chemistry, 1928-.

HARRY FELDMAN promises to become one of the most popular instructors on the Hill. Too much credit cannot be given him for the able manner with which he handles Freshman Chemistry; how many Sophomores owe a passing grade in Qualitative Analysis to Harry's efforts will never be known, but the figures would undoubtedly surprise even Harry himself. He seems to be one of us and one never hesitates about taking problems to him for solution.

SEMEN ARSENIEVITCH LEPESHKIN

M.A., Columbia Univ., 1927; Assistant in Mathematics, Brown Univ., 1927-29; Instructor, W. P. I., 1929-.

"SEMEN" is said to be very interesting when out of class; but in class! His favorite remark is "We will now haf a leetle queez, gentlemen." That makes him the poorest lecturer we have ever heard.

This is "Semen's" first year on the Hill, so not much is known about him. However, he surely knows his mathematics and seems very capable. He has impressed everyone who has known him very favorably and, if we may be allowed to prophesy, will be a valuable addition to Tech's staff in years to come.

"Semen"

"Steve"

REGINALD JOSEPH STEPHENSON

B.Sc., Univ. of London, 1924; A., Inst. P., 1925; Lecturer in Physics, Memorial Univ. College, Newfoundland, 1926-27; Instructor in Physics, W. P. I., 1929-.

FROM good old London comes one of the latest additions to our faculty, Reginald Joseph Stephenson. We have not become well enough acquainted with him yet to select an appropriate nickname, so for the time being let's know him as "Reggie" or "Steve." Those who have been under his instruction during the past year have become well acquainted with some typical English expressions such as "Good gracious," or "One upon two," and in fact, he sometimes puzzles the other instructors by quoting them.

WILLARD FULLER MANNING

B.S., Trinity, 1928, and M.S., 1929; Terry Fellow of Trinity College at Yale Univ., 1928-29; Instructor in Physics, W. P. I., 1929-.

"Antelope"

AFTER his first year at Tech, the Student body has made a momentous decision about "Antelope." By common consent, he has been accepted. He is now officially "in." Yes, the boy from the small town has made good again. After four years of "sharking" physics courses at Trinity and one year at Yale, he is now helping Tech men in their vague and hazy efforts to pass the Physics course here. Of course, he hasn't had very much teaching experience, but he is extremely willing and helpful. We hope to see more of him next year.

"Frank"

FRANK W. GRANT

Instructor in Swimming, Coach of Swimming Team, 1929-.

FRANK GRANT, the holder of many swimming records of his own making, and responsible, as coach of the local Y. M. C. A. teams, for the breaking of many other records by his proteges, was induced last year to come to Boynton Hill to try his hand at keeping Tech's team in the spotlight which it had occupied for several seasons. To say that he has succeeded is putting it mildly.

The men on the team, practically the only ones to come into close contact with him, say he's a prince, so that goes with us.

ROLAND GERVAIS

A.B., Clark University, 1929; Instructor in Modern Languages, W. P. I., 1930-.

"Roland"

MR. GERVAIS was a newcomer to Tech in the middle of the year, fortunately being available at just the right time to fill Professor Brown's shoes at his unfortunate absence. As a result, only a comparatively few underclassmen have had a chance to meet him. He is a graduate of Clark, and so it seems that "Fitzy" and "Higgy" must have influence at the Main South college to drag another man away from the Alma Mater to work with "The Boilermakers."

However, now that he is here, we hope that Roland finds Tech to his liking and decides to stay.

"Boozer"

ALLAN EVERETT LAWRENCE

ΤΒΠ ΣΞ ΘΥΩ

B.S., W. P. I., 1928; Graduate Assistant in Chemistry, 1928-.

"BOOZER" has been a familiar figure on Tech highways and byways for the past few years; one always asks why he doesn't get up out of that hole, so people can see him more planly. The answer is, of course, that his radiance would be too great.

No "spoofing" though, "Boozer" is right there with the squash racquet, and will soon be organizing a tournament right in his own department.

JOHN MATTHEW PETRIE

B.S., W. P., 1929; Graduate Assistant in Chemistry, 1929-.

"JOHNNY" is on his first year at actual research since becoming a full-fledged Chemist, and is taking time off now and then during the week to instruct some of the fledglings how the analyses should be performed.

It seems that a year or so ago, being married to his job, that "Johnny" even ate in the laboratory and thus discovered the beneficial effects of bread crumbs in certain processes. However, we'll wager he's not passing the trick on to the embryos, it might go to their heads.

"Johnny"

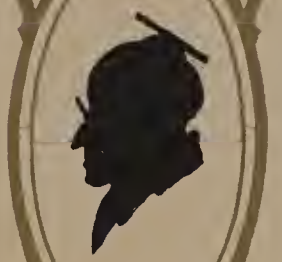
"Roger"

ROGER BRAINERD TARBOX

B.S., W. P. I., 1928; Graduate Assistant in Electrical Engineering, 1928-.

WE have heard Roger say just about ten words directly to any one of the students, in his two years in the Lab. Once was when he smilingly gave us a quiz as a special favor to "Sparky" when the latter was out of town, and the other was when a certain species of student had blown the same breaker about five times in succession. Perhaps the limit should have been raised above ten words.

Anyhow, we're sure that the fellow who talks the most doesn't get ahead the fastest, while we're not at all doubtful about the one who talks little but says much. So good luck to you, Roger!



SENIORS

HISTORY OF THE CLASS OF 1930

WITH the beginning of the second year of Tech's era of prosperity under Captain Earle, the class of 1930 first graced Boynton Hill. From the first orientation lecture in 1926 until that fateful Friday the 13th in June, 1930, its members have contributed a large percentage of the captains and record-breakers in athletics; leaders in scholarship; and organizers in undergraduate activities.

The Sophomores, determined to put a stumbling-block in our path, effectively placed a large stone hitching-post at the Salisbury building entrance to accomplish that purpose. In spite of locked doors and energetic paddle-wielders, "Danny" Horgan, our temporary chairman, led his supporters to their first victory over the yearlings.

Truce was declared during the Freshman Reception and rivalry was temporarily discarded in the interests of W. P. I. as many men bent their energies toward fall sports. Reward came in our placing three men on the Varsity in both football and soccer.

Other men concentrated their efforts toward further vanquishment of the Sophs to such an extent that decisive victories were won in football, soccer, and track. In the midst of the excitement of Rush Week forty strong volunteers kept a taut rope over Institute Pond for an hour and fifteen minutes—the second longest pull on record—and finally pulled the exhausted Sophomores through the icy water.

The men who held the reins during these successful weeks were: "Al" Holway, President; "Marty" Firth, Vice-President; "Al" Ashton, Secretary; and "Ted" Jones, Treasurer. Holway and Ashton continued in office for the second semester with the added help of Parker Smith as Vice-President, and "Cookie" Price as Treasurer.

Their first duties consisted mainly of running down clues leading to the discovery of the Sophomore banquet after various false alarms. Who will ever forget the chartering of a bus to take a handful of adventurers to the Webster Lake Hotel, where, after posting besiegers at every window, and linesmen to

Class of '30 in Water

cut the electric light wires, some of the more cautious discovered that we were about to break up a stag banquet of prominent Worcester business men! It was then that we decided to take matters in our own hands and stage our own party. Accordingly a night was picked that preceded a sophomore examination, and the banquet was held quietly in the Hotel Brunswick in Boston.

The Soph banquet was well represented by Freshmen and some purloined eggs of acient lineage. The eggs had previously belonged to the second year men, but fell into our hands in time for good use. The Freshies further humbled their rivals in swimming and basketball, and then disdained the Sophs as beneath the regard of such excellence.

During the winter "Bill" Graham made the varsity basketball team, and five made "bWb's." There were also several men on the track squad. Later in the year two men made letters on the baseball team, "Walt" French and "Eddie" Milde broke college records as members of the track team, and four others made "aWa's." This year completed one of the most successful years of any Freshman class.

Our Sophomore year started off well when the class track team beat the incoming Freshmen, and the class soccer team won the interclass title. The first year men, however, showed their mettle by holding our football team to a tie.

"Cookie" Price was elected class President, and held the office during the entire year. He was assisted by Walter French as Vice-President.

It was in the fall months that "Bill" Gawlowicz shot down the 1931 flag on Alumni Field. The Freshmen were further discouraged by a bad beating in the annual paddle rush outside the Electrical Engineering Building. However, they retaliated by pulling the Soph rope-pull team through the pond, and spoiled our hopes of being a dry class. 1930 continued the battle by winning the Carnival cup on that famous take-off of Dr. Duff's physics lectures. Who will ever forget Fitt as "A. Woolen Muff"? Much credit for that victory went to "Bim" Purcell, who wrote the skit.

It was in this year that the class of 1930 obtained its first captaincy. "Joe" Tawter,

Shooting the Flag

Soph Fight

diver extraordinary, was elected captain of Worcester Tech's first swimming team, and four of the five members of that team were men of the same class. Three more Sophs won letters in Varsity basketball, and 1930 was rapidly becoming known as one of the great athletic classes in the history of the school. This reputation was still further advanced when "Ed" Milde was elected captain of the track team in the spring. Two additional men made letters in this sport, and two more made "aWa's". Next, two more men made baseball letters, increasing the total to four. Captain Milde of the track team equalled the World Record in the 50-yd. dash in the winter, and thus added to the athletic glory of the class.

The Sophomore class held a very successful Hop in the spring, with "Gene" Center as chairman. The Soph Hop of that year was quite remarkable in that the books showed a substantial profit after the dance was over. In all ways, the second year was as good as the first.

In our Junior year, Walter French was elected President and he carried on the good work of Holway and Price. In the second semester, "Wally" Carlson was named President. We finally decided, after much discussion, not to hold a half-way thru banquet, and those who had already paid their five dollars received it back. In many cases the refund was used as the financial support of private celebrations. Our Junior Prom was held in the Horticultural Hall, the proceeds of which gave the class a wealthy reputation.

The class was given custody of the Goat's Head, the first class to have it since '94. The head was duly turned over to the Freshmen, who lost it to the Sophomores, showing that the class of 1931 was not entirely asleep.

At the end of the year Price, Finney, O'Grady, French, Carlson and Milde were elected to the Skull.

Junior Marshalls

In the fall of our Senior year "Cookie" Price was again elected President of the class, and again he held the office through the entire year. Much of this year was spent in hard studying, for those who had a chance of graduating were anxious that the chance should not be thrown away. We considered ourselves as fast reaching that blissful state of being engineers, and offers of jobs after

graduation were all seriously considered to such an extent that now most of the class have their positions signed up.

Delano and Tawter were elected to Skull, and several men were named as Tau Beta Pi and Sigma Xi initiates. The number of men in these honorary societies compared well with those of former years, showing that 1930 had its scholars as well as its athletes. At the present writing it cannot be told who will be the prize winners at graduation, but whoever they are, they will have earned their honors.

The members of the class of 1930 all feel that they have had four very fine years at Tech, and that the class as a whole has done its best to uphold the standards of the college.

VIRGINIA LOIS PEARSON
Class Baby

M. LAWRENCE PRICE
President

E. WALDEMAR CARLSON
Vice-President

PERMANENT OFFICERS

WILLIAM J. NEWBOLD
Secretary

MYRTON P. FINNEY
Treasurer

HENRY ORVILLE ALLEN

"Hank"

Electric; Born Dec. 18, 1908; Prep. West Springfield High School; entered W. P. I. Sept. 1926; Address: West Springfield, Mass. Rifle Team (2, 3, 4), Mgr. (4); PEDDLER Photographic Editor; Rifle Club, Sec.; Camera Club; Radio Club; A. I. E. E. (3, 4); Class Gift Committee.

"HINK" is the fellow who attempted to take the Vermont inspection trip in the old flivver runabout and made the trip successfully, while several of his less fortunate classmates fell by the wayside several times.

During his stay at Tech, "Hink" has been very active in outside activities. How often have we seen him rushing around with his camera to get snapshots of some athletic contest. It is to him that a large measure of the success of this publication is due.

Furthermore, "Hink" is no mean scholar. He is a true friend, always willing to lend a helping hand.

PAUL ANDERSON

"Paul" "Andy"

ΘX

Civil; Born June 23, 1908; Prep. North High School; Entered W. P. I. Sept., 1926; Address: 122 Whitmarsh Ave., Worcester, Mass. Football (1, 2, 3, 4) "W"; Class football (1, 2); Class member-at-large (3b).

WHO is that blond Adonis waltzing down the gym floor? This is a frequent question put by eager damsels to their less favored escorts as "Andy" dances by. And when he hears them, well, he has never learned to control that blush of his. It's a blush to be proud of, it starts under his collar and travels up and up. Never mind, "Paul," modesty is a rare virtue on the "Hill" and deserves to be cultivated.

As a member of the football squad, "Andy" has been a faithful worker, no one has ever worked harder for his letter than he. In the classroom he is keen, there never were any doubts as to his graduating in four years. And that is something that can be said about only too few at Worcester Tech.

ALLAN GUSTAV ASHTON

"Al"

Chemist; Born July 8, 1907; Prep. Worcester Classical; Entered W. P. I. Sept., 1926; Address: 4 Wayne Terrace, Worcester, Mass.

Class Secretary (1a, 1b, 2a); Band (1, 2, 3, 4); Leader (3); Glee Club (1); Rope Pull (2); Skep. Chemist, Pres. (3).

"AL" came to us as a natural born orator and to those of us who are intimately acquainted with him he has revealed his mastery of any subject by rare bits of oratory selected from his own personal experiences.

Whenever one of Dr. Jennings's prized volumes in the "Chem" library disappears it is an even bet that Allan has it. Even as most chemists, he is a bookworm.

As a cornet "tooter" "Al" ranks with the best. For four years he has struggled to keep the band on its feet and, had the efforts of one been sufficient, Sousa would have had a worthy competitor.

ARTHUR RUSSELL BARNES

"Russ" "Rugged"

ΘΥΩ

Civil; Born July 28, 1908; Prep. Reading High School; Entered W. P. I. Sept. 1926; Address: Reading, Mass.

Soccer (2, 3, 4); Rope-Pull (2); Masque, Stage Manager (3); Baseball, Ass't Manager (3); Manager (4).

"RUSS" is another one of those rugged Civils. So much so, in fact, that the word has just stuck and when it isn't "Russ," it's "Rugged." Unfailing good naturedness is one of his many assets. Add to that real ability to work and you have a combination hard to beat.

As for "Rugged's" weaknesses, well, one must admit that he knows how to pick 'em. He invariably "drags" to all basketball games and goes to most Tech dances.

"Russ" has been active athletically, more so than most of us. Besides being manager of baseball and winning his soccer letter, he has done much to push hockey on the "Hill." It is mainly through his efforts that the rink was achieved. During his Junior year the hockey team ranked as one of the best in the city, much of its success being due also to his hard work. The school owes you much, "Russ."

ALBERT BARON

"Al"

ΣΩΨ

Mechanic; Born March 10, 1907; Prep. Springfield Technical High School; Entered W. P. I. Sept. 1925; Address: Springfield, Mass.

Basketball (3); Judean Club, Springfield Club, Vice-President; Class Basketball, Football, Baseball (1, 2); Rope-Pull (1, 2); A. S. M. E.

WHEN "Al" entered Tech he was a member of the Springfield delegation. Although it has been said that one should not change places in a boat while in midstream, "Al" seems to have had no trouble, since he changed from Civil to Mechanical Engineering with only slight danger.

If anything of importance crops up, "Al" is always capable of telling how the matter should be handled. He has a natural gift of making and keeping friends and during his stay on the Hill has acquired a large number of them. His Tech life is certain to be a great asset to future success.

ROBERT STUDLEY BENNETT

"Bob"

ΘX

Mechanic; Born Oct. 28, 1905; Prep. Worcester North High; Entered W. P. I. Sept. 1924; Address: 35 Uxbridge St., Worcester, Mass.

Masque, Advertising Mgr. (3); Secretary. (4); A. S. M. E.

REALIZING that a course at Tech was not in his line, "Bob" transferred to Tech in the class of '28. He dropped out for two years and, upon his return was welcomed by the class of '30.

"Bob" has been "knighted" supreme exam pessimist but it is only his mood that has earned him his misnomer, and it spurs him on to better work.

Not a doubt exists in the minds of his fellow classmates but, that he will "go places and do things" after graduation. As advertising manager of the Masque he has shown his ability to accomplish anything he may set out to do.

MICHAEL ROGERS BOYLE

"Mike"

Electric; Born Jan. 7, 1907; Prep. Stamford High School; Entered W. P. I. Sept. 1925; Address: Noroton, Conn.

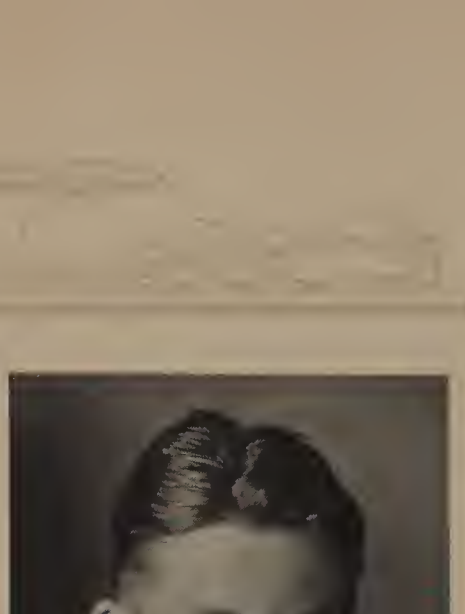
Golf "gWt" (2), Captain (3); Football Squad (1, 2).

"MIKE," as he is known among his fellow students, is one of the electrics who preferred to graduate with the class of 1930 rather than with 1929. "Mike" lost a year on account of sickness. Though not over-ambitious he gets along very well in whatever he sets out to do. He enjoys a few subjects and is especially fond of M. E. Lab(?). He is well liked by his acquaintances among his fellow students who will be sorry to part with him. According to his modest assertions, he is a great bargain that some woman is missing. We wish "Mike" as complete success in his future undertakings as he has had in the past.

DAVID K. BRAGG

"Dave"

ΣΞ



Mechanic; Born Oct. 13, 1908; Prep. Foxboro High School, Deerfield Academy; Entered W. P. I. Sept. 1926; Address: Foxboro, Mass.

Rifle Team (4); Rifle Club, Treasurer; A. S. M. E.; Knights of the Road.

COMING from Deerfield Academy "Dave" started to loaf his way successfully through college. A good taste of the Senior year, however, made him change his stride and substitute a little studying.

D. K.'s favorite sports are sleeping, eating, and philately (that's what he calls stamp collecting). He expects to go to Harvard and study Industrial Sanitation when he has completed his course at Tech. If his philatelics do not interfere there is no doubt that "Dave" will make good.

"Dave" is very careful of his reputation as a reckless automobile driver in spite of his avowal that he never exceeds the top speed of his Model A. How he gets as far as he does without paying for his gas at the filling stations we have yet to discover.

E. WALDEMAR CARLSON

"Wally"

ΘΥΩ ΣΞ ΤΒΠ SKULL

Chemist; Born Aug. 2, 1907; Prep. North High School, Worcester; Entered W. P. I. Sept. 1926; Address: 49 Olga Ave., Worcester.

Football (2, 3, 4); PEDDLER (4); Athletic Council (4); Tech Council (3b); Class Football (1a, 2a); Rope-Pull (1a); Class Auditor (3a); Class President (3b); Chairman, Commencement Committee.

"WALLY" has been one of the more popular members of our class. His influence and ability have been felt in many branches of Tech life. Although, for the most part, his energies were concentrated on "the books" during his first year, since that time, he has been kept busy with extra curriculum activities. For three years he has won his "W" on the gridiron. In his position at tackle, that persistent attitude, prevalent in anything which he undertakes, won him a place at the top.

We are sure that his executive ability and his ability as a chemist and engineer will be realized in whatever line of endeavor he chooses to follow.

CLARE EUGENE CENTER

"Gene"

ΑΤΩ

Electric; Born July 7, 1908; Prep. Nashua High School; Entered W. P. I. Sept. 1926; Address: Nashua, New Hampshire.

Bus. Mgr. 1927 "Y" Handbook; Editor 1928 "Y" Handbook; Tech News—Reporter (1b, 2), Junior Editor (3), Editor-in-Chief (4); Junior Editor, PEDDLER (3); Editor-in-Chief (4); Knights of the Road (2, 3, 4); A. I. E. E. (3, 4); Y. M. C. A. Cabinet (3); Vice-President (4); Interfraternity Council (3b, 4a); Class Nominating Committee (1, 2); Manager Class Carnival Skit (2), Class Secretary (3a); "Y" Carnival Committee (2), Chairman (3); Chairman, Soph Hop (2); Ass't Manager Basketball (3); Junior Marshal (3b); Senior Prom Committee.

EVERYONE at Tech knows "Gene," with his cheerful smile and a friendly word for all. Since the day of his arrival, he has made a name for himself in almost every activity on the "Hill," besides being a student of no mean ability. We owe our thanks to him for this 1930 PEDDLER.

"Gene" will never need to take a course in salesmanship, for he has already shown the ability to sell anything to anyone—with the single exception of "Doc" Pierce, who is quite a salesman himself.

FRANK DUDLEY CHAFFEE

"Dud"

ΦΣK

Electric; Born Nov. 20, 1906; Prep. Springfield Technical High School; Entered W. P. I. Sept. 1926; Address: 46 Gordon St., Springfield, Mass.

Knights of the Road; A. I. E. E. (3, 4); Class Nominating Committee (1b, 2b); Interfraternity Council (4).

IT doesn't take words to tell why "Dud" is so well liked and well known. A checry smile and a helping hand for everyone, a plugger and a worker in everything he attempts.

It certainly was a bad break for these Worcester girls that his spare time was all taken up in trips to a certain place in Boston. They could look and admire though, and that in itself is quite a thing.

"Dud's" experience in business has already taken him over the road from president to janitor, and after his engineering training in the logical handling of problems as acquired at Tech and Simmons, he should be able to retrace his steps from janitor upwards very rapidly.

CHARLES HAROLD COLE

"Charlie"

ΘΥΩ

Chemist; Born July 23, 1908; Prep. Holliston High School; Entered W. P. I. 1926; Address: Holliston, Mass.

Interfraternity Council; Skeptical Chymists; Interfraternity Dance Committee, Chairman (3); Nominating Committee (4a).

PERHAPS you've never heard of Holliston, but at least you know "Charlie." He is one of those rare persons who always comes to class with the correct solution to those brain-teasing problems in "Chem. Eng."; and of the chosen few who gets a high mark in that despicable Organic. Yet despite these scholastic achievements, "Charlie" is far removed from that wretched category of mankind known as "scabs," and is often to be found where bigger and better "whoopee" is being made. Charlie is an ardent advocate of the often proposed Worcester-So. Hadley Railroad, this fact accounting for frequent absences on week-ends, but then that's *his* business.

JOHN WILLIAMS CONLEY

"Jack"

Mechanic; Born June 7, 1908; Prep. Taunton High School; Entered W. P. I. Sept. 1926; Address: Taunton, Mass.

A. S. M. E.; Newman Club.

"JACK" always took his Phys. Ed. courses seriously, and after his boxing matches with Prohovich, he liked to carry the tactics he had just learned into the Saturday P. M. games of basketball.

"Jack" and "Bill" (not Jill) could usually be found during drawing or design periods trying to see if they could put "ringers" of smoke over the valve handles or doorknobs down in the nether parts of the M. E. building. Having accomplished the express purpose of their design, they would finish off the day's exercise with the usual rough and fast basketball game. The locker room and floor will miss you next year, "Jack."

ALBERT STANLEY CORBIN

"Al"

ΦΣK

Mechanic; Born Jan. 30, 1908; Prep. Worcester North High School; Entered W. P. I. Sept. 1925; Address: Massachusetts Ave., Worcester, Mass.

Tech News (1, 2); "Y" Carnival (2); Rope-Pull (1); Junior Marshall (3).

"NOW, fellers, listen while I tell ya about this man Cobbin."

"Al" stepped out of the doors of North High, looked about, and decided to give Tech a break. "Huh, Huh!" As a matter of fact, other things broke and he found himself on the wrong side of the fence.

His course on the Hill has been broken by a year's teaching at North, and of late, by frequent trips to Wheaton to assure himself that the fresh (wo)men were not misinformed in any particular.

"Al," we all hope that the whole world will shift its pace and get into stride with you so that life will be more agreeable.

WILLIAM EDWARD CORFITZEN

"Shiek"

Civil; Born Feb. 4, 1908; Prep. Huntington High; Entered W. P. I. 1926; Address: Cold Spring Harbor, Long Island, N. Y.

Newman Club (1, 2, 3, 4); A. S. C. E. (1, 2, 3, 4); Rifle Club (2); Radio Club (2).

"SHIEK" collected his nickname soon after arriving at Tech. It has improved his education greatly since coming here. It is said that his knowledge of contours was great, but since taking a special course at Buffalo, he has become an authority on the subject. During his travels for the State of New York, "Shiek" made an interesting picture collection of bridges, dams, and what not. There is a story connected with each of them.

"Shiek" never could figure out whether "Coombsie's" remark about dropping athletics if they interfered with studies applied to night activities or not.

HUGH HENRY COYLE, JR.

"Hughie"

Chemist; Born Sept. 11, 1908; Prep. Worcester Classical High School; Entered W. P. I. Sept. 1926; Address: 48 Blossom St., Worcester, Mass.

Skeptical Chymists (1, 2, 3, 4); Newman Club (1, 2, 3, 4).

NEVER in a hurry, forever busy, that's "Hughie." He is known for his interest in chemistry, his strong character, and his personality. His interest in the fair sex has been "nil," though he has buried himself in a startling research, the chemical analysis of day dreams, and we feel sure that he is qualified to discuss the matter.

To have known "Hughie" has been a privilege. Perhaps some of us have not had the favor of intimate conversation with him, but many of us will remember him as witty, generous, and wise. As to what the future holds for him, we are at a loss to know, but whatever he does attempt, we think that he should always succeed.

GEORGE W. CROSSLEY

"Jig"

Mechanic; Born Oct. 7, 1907; Prep. Worcester South High; Entered W. P. I. Sept. 1925; Address: 130 Grand View Ave., Worcester, Mass.

A. S. M. E.; Newman Club.

HERE we have upon exhibition to the public eye, the prize pessimist of the M. E. Department. No matter what the quiz, whether daily, monthly, or final, "Jig" could be depended on to flunk it cold—by his own say-so. But it seems that upon this subject, as in some others, he could not agree with the profs, and he always came through with a good average.

"Jig" has scarcely ever been seen alone on the Hill, in class or at a game. During the former he is always accompanied by his little brown brief-case, and at the latter, as well as before and after classes, by the frau—meaning chauffeur.

WILLIAM DWIGHT DAVIDSON

"Husky"

ΛXA

Mechanic; Born Aug. 11, 1908; Prep. Greenfield, Mass.; Entered W. P. I. Sept. 1926; Address: Lunenberg, Mass.

Track, Ass't Mgr. Soccer (3); Track (3); Rope-Pull (1, 2).

JUST to prove that his nickname was no misnomer, "Husky" went out for anchor man on the rope-pull team. If there were other aspirants, they were of little consequence for "Husky" held the job for two years. 'Tis said that the team lost, the second year, only because of the stretch of the rope between him and the transit.

There is one other field wherein "Husky" excels, or claims to excel. His conquests among the Worcester dance-hall co-eds are really numerous. It will take more than several under-classmen to provide for Worcester girls the entertainment that "Husky" has given for four years.

FRANCIS GARDNER DAVIS

"Dave"

ΦΣΚ

Electric; Born June 12, 1905; Prep. Greenfield High School; Entered W. P. I. Sept. 1925; Address: Greenfield, Mass.

Rope Pull (1).

"DAVE" came back to us this year all primed with the knowledge garnered from the shops of the G. E. Company; prepared to knock all the courses for a loop and to buffalo the profs. However, "Doc" Pierce hadn't been so long away from that same company, that "Dave" ran into a slight snag when differences arose between these two.

"Dave" could at least claim honors for blowing as few circuit-breakers as anyone, although his language might have blown a few after he had spent many weary hours trying to find A, B, and C with the aid of that —— calculating machine!

HERBERT WEBB DAVIS

"Herb"

ΦΣΚ

Mechanic; Born April 21, 1907; Prep. Holyoke High School; Entered W. P. I. Sept. 1925; Address: 54 Montgomery Ave., Worcester, Massachusetts.

Glee Club; Class Soccer; Class Baseball (1); Rope Pull (1, 2).

"HERB" is one of those natural born salesmen who can sell personality and tractors to anybody, and in his spare time he is selling the faculty the idea that he knows his stuff in the studies. He loves the faculty so much that almost any time you can find his Ford parked in their parking area, and the remainder of the time he is getting 70 m.p.h. out of his car going to Boston, Holyoke, and where not.

Nothing bothers "Herb" and with that ability to get places and do things, and with his sales and mechanical ability, he will put himself out in front in the engineering world.

EDWARD RAWLINGS DELANO

"Ed" *"Del"*

ΦΓΔ Skull

Civil; Born Feb. 15, 1905; Prep. Worcester North High; Entered W. P. I. Sept. 1924; Address: 99 Salisbury Street, Worcester, Mass.

Track (1, 2); "W" (2); Football "W" (2, 4); A. S. C. E.; Cross Country "cWc"; Class Track; Class Football; Treasurer W. P. I. A. A. (2); Junior Marshall (3); Senior Banquet Committee.

"ED" entered with the Class of 1928, but was soon called away to build railroads and bridges in Vermont. He finally returned to Tech and became a member of the class of '30.

On one of his sojourns in the Green Mountain State "Ed" made a very decisive step forward in life and became one of the Class of '30's few married men.

"Ed's" four years at Tech have been marked and well spent with his endeavors in his studies and athletics. In his athletics "Ed" has shown well the consistency, pluck, and determination which are characteristic of all his endeavors.

CLEMENT ALBERT DIDDEN

"Clem"

ΦΓΔ

Civil; Born Sept. 1, 1908; Prep. Eastern High School, Washington, D. C.; Lehigh Univ.; Entered W. P. I. Sept. 1927; Address: Washington, D. C.

Cross Country (2, 3, 4); A. S. C. E.

UNFORTUNATELY "Clem" was not initiated with our class, having transferred from Lehigh at the beginning of his Sophomore year. He may have been trying to shake off *un gros ennui*, but, if this were the case, we suspect that he has not been entirely successful, even here at Tech. In fact, his shuffling gait and low exclamations as he enters the classroom seem to indicate that he has not. His position as division movie critic is undisputed. But remember, brother Civils, that although Clem has no hopes for Tau Beta Pi, he is the only one having Differential Equations to his credit!

WILLIAM HENRY DOYLE

"Bill" *"Conan"*

ΛXA

Chemist; Born Dec. 28, 1907; Prep. Springfield Technical High Scool; Entered W. P. I. Sept. 1925; Address: Springfield, Mass.

Tech Show (2, 4); Masque (1, 2, 3, 4, 5); Mandolin Club (3, 4, 5); Rifle Team "rWt" (2).

"BILL" entered Tech in '25; coming to us from Springfield Technical High School. Convinced by the next Sophomore-Freshman paddle rush, Bill joined the ranks of '30 as soon as possible.

"Conan" was inclined to be a bit lazy, but under the astute guidance of Dr. Smith he has discovered this insidious microbe which causes procrastination and has applied the remedy.

Incidentally, "Bill" "rates" well with the fair ones but we are sure that his frequent visits to the Y. W. C. A. were mainly for scientific reasons. How else would you explain the fact that Sherwood's "Chem. Engin" didn't have a chance with "Bill" present.

Keep up your newly acquired conscientiousness "Bill", for it will serve you doubly well in the future.

DANIEL PIKE DYER, JR.

"Dan" *"D.P."*

Mechanic; Born Oct. 20, 1907; Prep. North High School, Worcester, Mass.; Entered W. P. I. Sept. 1926; Address: 206 Russell Street, Worcester.

Rope Pull (1, 2); A. S. M. E.

HAVING grown up in the shadow of the college gates, it was natural that "Dan" should be absorbed into the Class of '30, after leaving North High.

In spite of his professional aspirations, "D.P." has never forgotten the charms of rustic life, as lived in old North Brookfield. The snap-shots he brings back prove that.

Fencing was his favorite sport until the fickle young damsels took up archery, and left him without a class to teach.

Dan believes that the time he spends making his trick pipe "pull" right isn't wasted, since "Today's pipe-dreams are tomorrow's great engineering feats."

ALVAN OTTO ERICSON

"Eric" *"Al"*

ΛΧΑ

Born; Sept. 26, 1905; Prep. Ludvila High School, Sweden; Entered W. P. I. Sept. 1924; Address: 9½ Eames Street, Worcester, Massachusetts.

Soccer (1, 2, 3, 4); A. S. C. E.; W. P. I. Y. M. C. A.; Cosmopolitan Club, Treasurer (3); Class Track (1, 2); Class Soccer (1, 2, 3).

THEY don't make 'em any better than "Eric" when it comes to soccer players. And when it comes to his national sport, skiing, he isn't at home unless it's championship competition. "Eric" takes in several ski tournaments each year and usually manages to take several places in each one. He has a standing offer of all expenses paid to any tournament he desires to enter from a New York Athletic Club.

"Eric" is and has to be good-natured for he is the subject of much raillery. One hears "You dumb Swede" and "Ay just cum ofer." Does he step out? Just ask him what happened at the Dartmouth Banquet! He'll tell you—what he remembers of it.

BERNARD ILMARI ERKKILA

"Bernie"

ΑΤΩ

Civil; Born Aug. 20, 1909; Prep. Fitchburg High School; Entered W. P. I. Sept. 1926; Address: Fitchburg, Massachusetts.

Peddler Staff (3); Advertising Manager, 1930 Peddler.

A SNICKER. "Have you heard this one?" asks the Flying Finn from Fitchburg. "It seems there was an old maid who was —." "Bernie" himself with the same old line of stories, good, bad, but *not* indifferent.

"Bernie" could push himself around the track and up and down the basketball court with good speed until Old Man Nicotine got him. Perhaps that was the cause of his losing the debate with "Pa" over how framed structures should be built.

As a tap dancer, we have yet to learn how "Bernie" keeps his equilibrium while waving his feet around in the air. He is also very talented, we hear, at imitating the seal—a very rare species of animal in these parts.

CHARLES ROZZELLE FAY

"Rosy" *"Charlie"*

ΣΑΕ

Electric; Born May 24, 1908; Prep. Worcester Academy, Worcester, Mass.; Entered W. P. I. Sept. 1926; Address: 28 Beeching Street, Worcester, Massachusetts.

Class Historian (1b, 2, 3a, 4a); Class Editor 1928 PEDDLER; Junior Prom Committee (3); Interfraternity Council (3).

"CHARLIE" intends to follow his father's footsteps and become a patent lawyer. With this purpose in mind and after graduating from Worcester Academy he transferred his allegiance to W. P. I. where he has been acquiring the necessary engineering training for his chosen profession.

During our years at Tech we have noticed that "Charlie" is usually present at the college dances, much to the delight of the fairer sex. As for what the ladies see in him we are not prepared to say, but we find him to be a man that is quite frank, seldom hurried, and never perturbed,—a true gentleman and a sincere friend.

JOHN ELLIOT FLETCHER

"Fletch"

ΑΤΩ

Mechanic; Born Feb. 1909; Prep. Nashua, N. H. High School, Peekskill Military Academy; Entered W. P. I. Sept. 1926; Address: Nashua, New Hampshire.

Football (1, 2); Class Football (1); Class Bowling (1); Ass't. Mgr. Swimming (3); President, Aero Club (4); Knights of the Road (2, 3, 4).

ALTHOUGH we fear that "Fletch" will never learn to speak a language other than English, he sure does know his mathematics and his "argumentum ad infinitum." As for the mechanics he is studying;—"Fletch" knows the mechanics of his big Studebaker, and has his throttle calibrated in his mind so that he can tell within a fraction of what velocity he can produce with his foot at any given angle. Don't get on "Fletch's" bad side, or he'll turn your hair grey if he gets you in the Study.

However, the magic feel of "stepping on it" doesn't come to John until after he is thoroughly awake, for his common expression is "Just coffee, please, George. I have an eight o'clock."

STANLEY HERBERT FILLION

"Stan"

ΣΞ TBΠ

Civil; Born Oct. 27, 1907; Prep. Springfield Technical High School; Entered W. P. I. Sept. 1926; Address: Springfield, Massachusetts.

Reporter *Tech News* (2); Asst. Editor Tech "Bible" (2); Junior Editor of PEDDLER (3); Ass't. Editor-in-Chief of PEDDLER (4); A. S. C. E.; Camera Club (1, 2, 3, 4).

IN THE Fall of 1926, Stanley Fillion started upon his quest of a B.S. in Civil Engineering at Worcester Tech. Scholastically he has had few rivals during his four years. Although not athletically inclined, Stan has always been a great booster and worker for his Alma Mater. As Editor-in-Chief of the C. E. Survey he has shown his publishing ability and his keen sense of humor. Only one blemish remains on his career at Tech. Who of the Civils will forget the night at Railroad Camp we learned that "Stan" had lost ten feet in a day's work. Never mind, "Stan", we all make mistakes but we will never forget that one.

MYRTON PARKER FINNEY

"Myrt"

ΦΣK Skull

Civil; Born Jan. 11, 1908; Prep. Wakefield High School; Entered W. P. I. Sept. 1926; Address: Wakefield, Massachusetts.

Football (1, 2, 3), Capt. (4); A. S. C. E. Sec. (3), Pres. (4); Class Treasurer (3a, b, 4a, b); Junior Prom Committee; Ass't. Mgr. Baseball; Interfraternity Council (3); Class Football (1, 2).

THERE are not many of us who will soon forget how "Myrt" worked the old "sand-lot" hidden ball trick in the game with Norwich last Fall. In spite of this "Myrt" is not the deceptive type but is more like the still waters that run deep. Those who have had the opportunity to look down into the depths have found a great deal to love and admire.

"Myrt" bunked in the last tent at Chaffins and won't soon forget the last night and a bucket of water. How about it "Myrt?"

WALTER HORACE FRENCH

"Walt" *"Stretch"*

ΦΣK Skull ΤΒΠ ΣΞ

Mechanic; Born Dec. 3, 1906; Prep. Worcester North High and Deerfield Academy; Entered W. P. I. Sept. 1926; Address: 202 Russell St., Worcester.

Track "W" (1, 2, 3, 4); Indoor Track (1, 2, 3, 4); W. P. I. A. A. (2, 3); Tech Council (3a); Class Auditor (1a); Class Vice Pres. (2a, b); Class Pres. (3a); Class Soccer (1, 2); Class Track (1, 2); Rope Pull.

AFTER the usual four years in North High "Walt" thought that he was still too inexperienced in the ways of the world so he decided to spend a year at Deerfield, and from there he came to Tech. He must have found out the ways of the world up there for the trials and tribulations of Tech have meant nothing more to him than the hurdles, which he takes so proficiently.

"Walt" certainly has made a success of his four years at Tech in the scholastic and athletic lines as well as honorary societies but there is no telling where he would have been now if "——— hadn't got him."

KENNETH VALETTE FRYER

"Ken"

ΦΓΔ

Electric; Born April 25, 1904; Prep. Windham High School; Entered W. P. I. Sept. 1924; Address: Willimantic, Conn.

Rifle Team (2, 3); "rWt" (3); Class Rifle Team (2, 3); Class Bowling (2, 3); Class Football (2); Class Track (2); *Tech News* Reporter (2); Rifle Club (2, 3); President Rifle Club (3); Rope-Pull (1, 2); A. I. E. E.

"KEN" left Willimantic to enter the Class of 1928 at Worcester Tech, but unfortunately, in his attempt to complete his education he undermined his health and was forced to withdraw from college. He returned again in time to join the Class of 1930.

How Ken's spare time is spent in Worcester is still quite a mystery, but we suspect that it is divided between supporting the local Y. M. C. A. and giving the "fair sex" of Worcester a "break". There is no doubt in our minds that Ken, with his quiet determination, will succeed in whatever calling he pursues after he leaves Tech.

BOLESLAW STANLEY GAWLOWICZ

"Bill"

ΖΞΠ

Electric; Born May 8, 1907; Prep. New Bedford High; Entered W. P. I. Sept. 1926; Address: New Bedford, Massachusetts.

Rifle (1, 2, 3, 4); Capt. (2, 3); Soccer (2, 3, 4); Class Track (1); Soccer (2); Rifle Team Capt. (1, 2, 3, 4); Rifle Club Vice-Pres. (3); A. I. E. E.

"BILL" came to Tech a quiet boy from New Bedford and remained so until he took E. E. Lab. There he started in with a bang, in fact several of them. He and the other circuit breaking twin started in to test circuit breakers with no great success until "Ham" came along and showed them how to make a short circuit with skill and technique.

"Bill's" size does not interfere with his shooting. When '31 put up its class flag he shook the moths out of his ancient weapon and proceeded to remove the flag with lead. "Bill" is always willing to help someone out, even to giving "Al" his exercise.

RALPH HALE GILBERT

"Ralph" *"Gil"*

Civil; Born Dec. 23, 1905; Prep. New Britain Senior High; Entered W. P. I. Sept. 1925; Address: Newington Junction, Conn.

Glee Club (3, 4, 5); Camera Club (2, 3. 4); Sec. and Treas. Rifle Club (4), Class Track (2); Class Bowling (2).

RALPH has been a most industrious student, industrious in more ways than one. Quite often one finds him sneaking up on some unsuspecting group and "snapping" them. Or one can find him in the gymnasium balcony taking pictures of an assembly or of Commencement.

As a member of the Glee Club Ralph has been fortunate in that he can always count on being taken on its trips. He has taken part in three New England contests. That's enough for any one person.

Among his other activities are the rifle club and class track and bowling. And so we see that "Gil" has been a booster of every possible Tech activity. One cannot ask more of any man than this.

ALBERT M. GOODNOW

"Al"

Electric; Born Feb. 17, 1905; Prep. Sudbury High; Entered W. P. I. 1923; Address: South Sudbury, Massachusetts.

Masque (2); Glee Club (3, 4).

"AL" gave up graduating with the class of 1927 to work for Henry Ford as a local purchasing agent, and when the class of 1930 came along he joined us. Since one day when he stumbled into a certain restaurant near Tech, "Al" has been quite interested in restaurants, etc. Every now and then he would leave for dinner and return in the early hours of the morning. With all this, "Al's" quiet disposition was never upset and resisted all efforts of his roommates to change it.

"Al's" steady-going consistency with "Doc's" and other prof's outside problems has stood many a classmate in good stead after coming to class the morning after the night before.

WILLIAM GRAHAM

"Bill"

ATΩ Skull

Electric; Born March 4, 1908; Prep. Whitinsville High School; Entered W. P. I. Sept. 1926; Address: Whitinsville, Mass.

Football (1, 2, 3), "W" (2, 3); Basketball (1, 2, 3a, 4), "W" (1, 2, 4), Captain (4); Baseball (1, 2, 3, 4), "W" (2, 3); Member-at-large (3a); Class Football (1, 2), Captain (2); Class Basketball (1, 2), Captain (1, 2).

"BILL" was already known to Tech men when he entered, from his showing at the interscholastic tournaments. He immediately took the position of Varsity center from all comers during his Freshman year, and has led the team in scoring ever since, as well as being the city's high scorer, outpointing Clark and Holy Cross men as for averages.

However, "Bill" was not content with laurels in basketball alone, so he set out to make a name for himself in football and baseball, and even though he has cost "Doc" a goodly sum of money in the way of new teeth, knee braces, wooden legs, etc., he has been worth it.

CARMELO SALVATORE GRECO

"Grec"

ΣΞ TBΠ

Electric; Born Nov. 11, 1907; Prep. New Britain High School; Entered W. P. I. Sept. 1926; Address: New Britain, Connecticut.

Rifle Team (4b); Newman Club, Nominating Committee (1b, 2a); A. I. E. E.; Secretary (4a-b); Commencement Committee.

WELL, well, and well! Now "Grec" can sit back and amuse himself with pleasant thoughts of his college days. Oft times did credulous "Grec" become intimidated by Coombsie's "Many of you men here do not belong here," but he proved himself invincible. He leaves all courses strewn in his path of destruction and approaches the horizon decorated with the insignias of Tau Beta Pi and Sigma Xi. He showed his metal when he had to "hold that tiger." Now "Grec" sets sail in his own boat and with such endurance and determination his success is insured. Among other things, he will always be remembered as the Class Tonsorial Artist.

ROGER THOMAS GRISWOLD

"Red"

Mechanic; Born April 22, 1906; Prep. Worcester South High; Entered W. P. I. Sept. 1925; Address: 242 Chandler St., Worcester, A. S. M. E.

WE didn't get to know "Red" until we were well started on our college career, but he found a place among us which he has quietly held till now.

There isn't a better-natured chap in the class than "Red" and we think it would be the Prof's idea of paradise to have as attentive and interested a group of students as "Red" out front all the time.

"Rog" lives on Chandler St., and although we have never been down that way, we suspect that the mud must be pretty deep because "Red," for four years, has worn those "high-water" pants and a pair of high shoes.

RAYMOND STEWART HAITSMA

"Ray"

Mechanic; Born Feb. 20, 1909; Prep. Marlboro High; Entered W. P. I. Sept. 1925; Address: Northboro, Mass.

A. S. M. E.

FOLLOWING in the foot-steps of his brother, "Ray" came to the "Hill" from Northboro. The trials and tribulations of a commuter were his, for each day he journeyed from Northboro in the face of the elements, in the search of Knowledge. His face was rarely seen (probably due to the remoteness of his habitation) at any of Tech's social affairs. However, it is understood that he frequented other "stamping grounds." "Ray" is a quiet fellow and one may be sure that he will go on taking life in his calm, steady manner as we have known him to do here at Tech.

ALLAN LINDSAY HALL

"Al"

Electric; Born Nov. 7, 1904; Prep. Portsmouth, N. H., High School; Entered W. P. I. Sept. 1924; Address: Portsmouth, N. H.

Glee Club (1, 2, 3); Radio Club (1); A. I. E. E. (3, 4).

"AL" never could get far away from Tech without feeling the urge to return to Boynton Hill. Having returned last fall from experimental work in the Bell Laboratories for the past fifteen months, "Al" has been a great help to the fellows with his knowledge of vacuum tubes, their theory and application. "Sparky's" hook-ups were a cinch for him.

Although good old Portsmouth is "Al's" home town, he says that about all he knows about it now is that they still have a Navy Yard near there. His travels have kept him nearer the Statue of Liberty, and there he expects to stay for a time after graduation.

WALTER HANSEN

"Walt" "Brightie"

ΣAE

Electric; Born May 20, 1907; Prep. Deering High School, Portland; Entered W. P. I. Sept. 1924; Address: Portland, Maine.

Track (1b, 2); "cWc" (2a); Rope-Pull coxswain (1); A. I. E. E.; A. S. C. E.; Class Track (2, 3); Class Swimming (3); Class Bowling (3).

"WHO is that young man who just came out of the Alumni Office and started away in a flivver, the back of which is labeled 'Worcester Tech' and the front of which is labeled 'Schenectady'"? Why, that is our old friend "Walt" Hansen, and there is only one "Walt"! He is a hard worker, and an engineer, ever optimistic, happy, and willing to take his share of the load. No activity would be complete without the aforementioned flivver, either. It is but a "one-seater" but "Why use two when one will do"?

"Walt" hails from Maine, but this only shows that "Not all who come from Maine are maniacs." He took a short sojourn in Schenectady after his Junior year and many of us envy him the knowledge he picked up there.

HAROLD CARTER HART

"Harold"

ΣΞ ΤΒΠ ΘΨΩ

Civil, Born Nov. 12, 1908; Prep. Bristol, Conn., High School; Entered W. P. I. Sept. 1926; Address: Forestville, Conn.

Soccer Manager (4a); Junior Prom Committee Chairman (3b).

HAROLD'S associates in Civil Engineering will swear that the song "I'm a dreamer" was written for him. At any rate, it fits. The reason? Well, how can anyone stay awake in class if he has played a parlor date until one A.M. and then studied until half-past four?

Scholastically, one can't achieve any more honors than Harold. As manager of soccer he has shown his interest in athletics. As chairman of the Junior Prom Committee, he pushed across one of the most successful Proms in some time. If these do not fully demonstrate his varied ability, we must resign the pen in favor of a more eloquent writer.

ALLEN HASTINGS

"Al"

ΦΣΚ

Civil; Born Jan. 28, 1905; Prep. Bartlett High School; Entered W. P. I. Sept. 1925; Address: Webster, Mass.

Ass't Manager Soccer (3); Class Soccer (1, 2).

"AL" HASTINGS is that tall lad from Webster who claimed he could, and did, drive from Webster to New York in three hours. One is tempted to believe him after seeing him drive.

"Al" never lived in town but preferred to commute by bus. Anyone who has ever ridden from Webster to Worcester by bus will understand why—most of the passengers are girls, from counter clerks down. His real interests, however, are concentrated in Southbridge. "Why shouldn't they be?" asks Allen in all seriousness.

He never did agree with "Pa" French as to how framed bridges were built, but no one else ever did, either, so he can't be held too strictly for that. Everyone who ever met and associated with "Al" will testify to his friendliness and geniality. One doesn't ask for more.

HERBERT FREDERICK HILLIS

"Herb"

Electric; Born Feb. 17, 1906; Prep. Methuen High School; Entered W. P. I. Sept. 1925; Address: Methuen, Mass.

Bowling Team (1); Radio Club; A. I. E. E. (2, 3, 4).

"HERB" hails from some place called Methuen.

He had a great liking for French so he prevailed upon Prof. Brown to let him repeat the course and thus he entered our class. Neverthless "Herb" is a "good man"as can be seen by his ability in other courses.

"Herb" is a careful fellow. Ever since he had an argument with a street car he has been going out with nurses. He has the number of every hospital in Worcester in his book.

When "Herb" stretches his long legs he goes places, and when he is going under full steam it takes a good man to keep up with him. Ask Bill.

RICHARD ARNOYS HOLLEY

"Dick" "Hooley"

ΘX

Electric; Born June 21, 1908; Prep. Otisville, N. Y., High School; Entered W. P. I. Sept. 1926; Address: Otisville, New York.

A. I. E. E. (3, 4); Treasurer (3); *Tech News Association* (1, 2, 3, 4); Subscription Manager (3); Business Manager (4).

"DICK" is the one boy of the Class of '30 who has mastered the art of growing and keeping under cultivation as luxuriant a growth of "goofer feathers" as it has been our privilege to see since looking through the yearbooks of the "gay nineties."

We don't know what "kick" "Dick" gets out of handling *other* people's money, unless it be merely the feel of having it pass through his hands, but nevertheless, he has made a most efficient keeper of the shekels for several organizations. Better yet, he has kept all accounts straight.

"Dick" takes his bridge seriously, and due to his training in the big milk and onion district of Orange County, New York, challenges all comers.

ROBERT EBENEZER HOLLICK

"Bob" "Weazle"

ΣAE

Civil; Born April 24, 1908; Prep. William H. Hall High School; Entered W. P. I. Sept. 1926; Address: West Hartford, Conn.

Swimming (2, 3); A. S. C. E.; Class Swimming (1, 2); Rope-Pull (1, 2).

THIS tall, serious young man came from West Hartford, where they raise airplane motors and tobacco. "Bob," however, hasn't had much to do with either, until this last year when he acquired a pipe and a box of matches. So immersed has "Weazle" been in the delights of the pursuance of an education in civil engineering that he has had little time for anything but swimming and an old motorcycle. Vague rumors of peregrinations in the direction of that famous hill, Asnebumsket, have leaked in from the frontier, but it is doubtful if "Bob" ever viewed that mount.

If hard work and persistence count in industry, it is a sure bet that "Bob" will some day be a "big shot" in an engineering line.

FREDERICK COLVIN HOLMES

"Barney"

ΦΣK

Civil; Born Jan. 29, 1907; Prep. West Springfield High School; Entered W. P. I. Sept. 1926; Address: West Springfield, Mass.

Basketball (1, 2, 3); "W" (2); Knights of the Road; A. S. C. E.; Class Football (1a); Rope-Pull (1a); Class Basketball (1b, 2b).

ALTHOUGH handicapped by a West Springfield origin, "Barney" has progressed far at Tech. Right from the start his time was divided between Boston, basketball, and the abolishmcnt of profane language. His success in one activity was only rivalled by his successes in the others. In fact, to help out the third cause he himself swore off at the beginning of each year.

A conscientious student, Barney's favorite study was Railroads—and how he did concentrate on the Boston & Albany! Generous, willing, the best of friends, his greatest delight was to have the brothers take free candy from his store!

WILLIAM BABE KENYON

Mechanic; Born April 15, 1906; Prep. Springfield Technical High School; Entered W. P. I. Sept. 1926; Address: Indian Orchard, Mass.

"BILL" graduated from high school when most of us were Freshmen, and spent the years between then and the fall of 1926 in the machine shops of Indian Orchard. The experience he gained there stood him—and "Scotty"—in good stead when they came to Machine Shop, and thus enabled the latter gentleman to give more time to *Tech News*—and other things. Although he has shown his ability as a mechanic in our daily boiler room confercnces, as well as in the classroom, "Bill's" great love for "Ham's" lucid methods of explanation lcad us to believe that he should have chosen thc E. E. course. "Tough breaks" compel us to abandon him to the mercies of 1931, though we feel that he deserves a better fate. His unfailing good nature and willingness to tackle those "damn tough" M. E. problems will make him many friends in that class, as it has in ours, and will in the years to come, wherever he may be.

CARL GUSTAV LARSON

"Carl"

Electric; Born Aug. 12, 1905; Prep. Höganäs High School, Höganäs, Sweden; Entered W. P. I. Sept. 1926; Address: 30 Boyd St., Worcester, Mass.

Swimming "sWt" (2, 3, 4); Soccer "aWf" (1, 4); A. I. E. E. (4); Capt. Class Swimming (2).

SWEDEN is noted for turning out "he-men" and Carl is no exception. No one who has watched him forge ahead in a 200-yard breast stroke race, doing a lap in eight powerful strokes, can doubt this.

Carl also has the faculty for using his head, both on the soccer field and in the class room. Although he is very quiet and slow to make friends, his cheery smile is always present so that none can fail to like him. His stubborn determination to do what he considers right, coupled with his amazing freedom from social entanglements, should carry him a long way on the road to success in his chosen field.

WILLIAM WILLARD LOCKE, JR.

"Bill"

ΔΧΑ

Electric; Born July 14, 1908; Prep. Framingham High School and Huntington School; Entered W. P. I. Sept. 1926; Address; 16 Evergreen St., Framingham, Mass.

Swimming (2); Class Swimming (1, 2); A. I. E. E.

"BILL" made quite a reputation for himself at Framingham High but upon entering Tech he gave up all thoughts of athletics and proceeded to devote himself to his languages. However, when the swimming team was formed in his sophomore year, he couldn't resist the temptation and was usually found in the pool during his free hours.

"Bill's" life aside from his study has been torn by two great and overwhelming loves—his love for women and his love for argument. The one he has carefully concealed from all but a few of his intimate friends, the other he uses on all possible occasions. He will argue about anything from patented self-opening nail clips to elliptical sliderules. It's O. K. with us, William, you usually win them.

AARNE AUGUST LUOMA

"Professor"

ΣΞ TBII

Mechanic; Born May 22, 1909; Prep. Fitchburg High School; Entered W. P. I. Sept. 1926; Address: Fitchburg, Mass.

Rifle Club, A. S. M. E.

FOUR years ago "Professor" left Fitchburg and entered W. P. I. During this time he has made many friends with whom he will be sorry to part after graduation. He has distinguished himself at school and is a member of both of the student honorary societies. If "Professor" could not do a thing correctly, few could. Quiet, modest, unassuming, he could not help but be liked by those who knew him.

We do not yet know what he is going to do after June 13, but we all wish him the best of luck and continued success in whatever field he enters.

PHILIP A. MacARDLE

"Phil" "Mac"

ΘX

Civil; Born July 25, 1905; Prep. Worcester Classical; Entered W. P. I. Sept. 1923; Address: 14 Coghill Ave., Worcester, Mass.

A. S. C. E.; Rope-Pull coxswain (1, 2); Chairman of Junior Prom Committee (3).

FORCED to leave Tech because of his health, "Phil" has made an excellent comeback. He returned two years ago and is just eating up the Civil Engineering courses. There is no doubt that "Phil" has completed his Senior year in excellent standing.

Coming from Classical High in 1923, he entered "the spirit of activity" and his presence has been marked by his popularity and hard work. His ready wit is always in evidence, a chat with "Mac" always removes worried expressions. From his work on the "Hill" he shows the makings of a good engineer and time should prove him so.

PERCY FRANCIS MARSAW

"Pete"

ΣAE

Electric; Born June 1, 1905; Prep. Redwood High School; Entered W. P. I. Sept. 1924; Address: 142 Highland St., Worcester.

Rifle Team (2, 3); Manager Class Rifle (2); Art Editor, 1930 PEDDLER; A. I. E. E.; Class Fencing.

"PETE" was originally a member of '28, but left to acquire a wider knowledge of the public utilities field.

"Pete" has had many irons in the fire and it is a wonder that he could keep them all even warm. Few men would have kept an unfailing interest in the getting of an education—especially a technical training—if they were subjected to the same trials as this man. His ability with the artist's brush and his musical talent have earned him many a penny—from the Chamber of Commerce, many industries and organizations, and he has played in several orchestras as well as being a member of the Worcester Stringed Ensemble. "Pete's" eyesight has been sorely strained, due only to his trait of perserverance in whatever he undertakes. This type of stubbornness surely will be an aid in the future, "Pete."

JAMES EDWARD MACLOUGHLIN

"Jim" "Mac"

Electric; Born Oct. 26, 1907; Prep. New Haven High School; Entered W. P. I. Sept. 1926; Address: New Haven, Conn.

Rope-Pull (2); Football (2); Newman Club (1, 2, 3, 4); A. I. E. E. (3, 4).

WHEN this genial Irishman decided against the home town university with its Sheffield, he made a decision for which we will always be grateful. "Jim" had gained considerable experience in building all manner of machines before entering college, but then, building Erector models is a matter of minutes and not moments. He is one of the team of "Bim and Jim" who can be depended upon to break into song with little or no excuse, at any time. Envied by the "india rubber man" for his ability at putting his head in the clouds and keeping his feet on the ground, more should be heard from Jim.

GERALD PHILIP MARCY

"Jerry" "G. P."

Electric; Born Oct. 7, 1907; Prep. Putnam High School; Entered W. P. I. Sept. 1926; Address: Putnam, Conn.

A. I. E. E.; Radio Club.

"JERRY" came from Putnam to increase his opportunity for learning about things not yet in books. His aim is a place on the frontier of science. Most courses were merely necessary evils, things that everyone knew. He'd rather spend an hour trying to do a ten-minute problem a new and easier way.

Though "Jerry" was always popular, and his inimitable dry wit always a success, we could never seem to interest him in anyone else's dance partners or wife.

After he receives his degree, "G. P." intends to remain here for a couple of years to discover what a million volts will do. We'll be back to see you, "Jerry."

GEORGE ANDREWS MARSTON

"Lofty"

ΛΧΑ

Civil; Born Oct. 5, 1908; Prep. Turners Falls High School; Entered W. P. I. Sept. 1926; Address: Turners Falls, Mass.

Treasurer, A. S. C. E; Tennis (2b); Rope-Pull (2).

YES SIR, 'tis he, the boy who keeps the cobwebs swept off the doorways. Six foot five he stands in his socks—provided the ceiling is high enough.

"Lofty" is one of those rare individuals who is good and doesn't know it. For three years, he has refused to believe that he would graduate in four years, and yet he ranks in the upper half of his class. However, everyone will concede that his modesty is a fit companion to his rosy cheeks and school-girl complexion.

If George adapts himself to his future work as he has applied himself to his studies and sports, some firm is going to put padlocks on a willing worker and keep him for the rest of his natural life.

THEODORE JULIUS MESCHICOVSKY

"Teddy"

Electric; Born Aug. 23, 1908; Prep. Easthampton High School; Entered W. P. I. Sept. 1925; Address: Easthampton, Mass.

A. I. E. E. (3, 4); Rifle Club (1, 4); Radio Club (4); Camera Club (1, 2, 3, 4); Rope-Pull (2).

ALWAYS known as the "boy with the ideas," "Teddy" came back from a year spent at the General Electric Company with more than ever, so determined to take one of them for thesis work that he was found working hard on it long before the second term began, until he became known as the "Demon Designer of D. C. Transformers."

This was not his only interest, however, as he could often be heard strumming on a mandolin, and it is said that *some* of his evenings have been spent on the dance-floor.

Above all, "Teddy" was a man well liked by those who knew him best.

EDWARD CARL MILDE

"Eddie"

ΤΒΠ ΣΞ ΦΣΚ Skull

Electric; Born Oct. 9, 1908; Prep. Springfield Technical High School; Entered W. P. I. Sept. 1926; Address: Springfield, Mass.

Varsity Track "W" (1, 2, 3, 4); Captain (2); Y. M. C. A. Cabinet, Secretary (3); Treasurer (4); Tech Council (4a); A. I. E. E., President (4); W. P. I. A. A., President (4); Springfield Club; Class Track (1, 2); Manager (3b); Class Vice-President (4a).

"EDDIE" MILDE—Tech's "fastest human." Some fellows may be faster with the women, but then, they're in a class by themselves. "Ed" *was* seen to dance once, however, so he's progressing from one line of achievement to another. Soon he won't be seen on the cinders at all.

"Ed's" initials might well specify "Everything Conscientiously Managed," for that trait seems to be characteristic of him. Studies, activities, and any line of endeavor taken up, are entered with methodical precision and only after careful consideration of all sides. Keep it up, "Ed," it's a habit worthy of an engineer!

WILLIAM HARROWER MILL

"Scotty" "Bill"

ΑΤΩ

Mechanic; Born Oct. 4, 1909; Prep. Clinton High School; Entered W. P. I. Sept. 1926; Address: Clinton, Mass.

Tech News (1, 2, 3); News Editor (3b, 4a); Banjo Club (3); Rope-Pull (1, 2); Junior Editor, PEDDLER (3); Class Bowling (1, 2); Junior Prom Committee; Class Historian (3b).

"SCOTTY" and "Bill" are the inseparables, Scottish derivatives, and by nature having similar ideas—not mentioning what these ideas are. If you have any intentions of taking in a show, consult "Scotty" first, for he is Tech's outstanding critic of silver screen performances. He recommends Greta Garbo.

"Scotty" has been active in extra-curricular work, or rather "outside activities," and between Clinton and Worcester was kept pretty busy. He and "Bill" Kenyon sharked the Machine Shop course, the latter having gained considerable experience along these lines in the shops at Indian Orchard. This enabled "Scotty" to devote more time to the *Tech News* and other things.

GEORGE WESLEY MUNSON

"Muns"

Electric; Born Aug. 26, 1908; Prep. South High School, Worcester, Mass.; Entered W. P. I. Sept. 1926; Address: 21 Clifton St., Worcester, Mass.

A. I. E. E. (3, 4).

"MUNS" has always impressed us with the excess of "speed" which he seems to possess, in fact his whole person is imbued with that quality. Anybody who has had the pleasure of walking with George knows that he can set a snappy pace. Of course, such a hasty pace is very inappropriate on moonlit nights. Under those conditions, we know that George changes to cruising speed for he understands that given a time and place, one must bide his time, sometimes.

Those of us who shared with him the sanctuary of the locker room in Boynton Hall during the noon hour, have always found pleasure in listening to his enlightening discourses on topics, important and otherwise.

ALBERT NICODEMUS NANARTONIS

"Nan" "Al"

Electric; Born Sept. 15, 1907; Prep. Classical High; Entered W. P. I. Sept. 1926; Address: 6 Caroline St., Worcester, Mass.

Rope-Pull (2); Cosmopolitan Club; A. I. E. E.; Secretary Cosmopolitan Club (3); Newman Club.

"NAN" has the record for being late to class. His nearest competitor is "Phil" Seal and he is 'way in the dust. However, he always manages to be present when the bell rings for the class to end.

"Al" is the potential inventor and artist—who will forget the inventions which he has drawn up in his lecture periods as solutions to the problems of perpetual motion. Whenever we could get "Al" to stop talking long enough to draw a picture, we were almost sure to be amused by his art. No matter what the request, it was sure to appear realistic under his touch.

WILLIAM JOHN NEWBOLD

"Bill" "Red"

ΘX

Mechanic; Born Sept. 15, 1908; Prep. Flushing High School; Entered W. P. I. Sept. 1926; Address: Whitestone, N. Y.

Ass't Mgr. Swimming (3), Mgr. (4); *Tech News*, Reporter (1b, 2a), Junior Editor (2b, 3a), Managing Editor (3b, 4a); Masque, Manager (4); A. S. M. E.; Knights of the Road; Interfraternity Council (3); Class Historian (3a); Secretary (3b, 4a, b); Class Socer (1, 2); Chairman, Senior Prom Committee.

"BILL" is the boy who should write after his name in addition to his B.S., the letters Mgr., meaning "Measles Got Red," which, as an actual happening caused all the boys to exclaim, "My Gosh, Red" upon seeing him early one bright spring morning. Perhaps his relief at ending a season as the Mgr. of the swimming team went to his head.

We never could figure why "Red" seems to shun the dance floor as he does. Perhaps it's because the O. A. O.(*) in the big town might become incensed over any such acquaintances acquired in the provincial district of New England.

*(one and only, dear reader.)

CARL GUSTAV NORDMARK

"Gus"

ΣΞ

Mechanic; Born March 14, 1908; Prep. Northbridge High School; Entered W. P. I. Sept. 1926; Address: 35 Vinton St., Worcester, Mass.

Cross Country; A. S. M. E., Treasurer.

CARL is one of our quiet members who, however, soon found a place among us. That he is reliable is borne out by our electing him to the office of treasurer of the A. S. M. E. Also he has been one of our honor men throughout his college career.

Those of us who know Carl best are aware of his hobby which precedes all else in his heart, that of sailing ships. Out-of-the-way places to be visited in a small ship will probably consume all his time after he makes his fortune.

We know that Carl rates "aces" with anyone with whom he works and so with all confidence we wish him the best of everything.

DANIEL FRANCIS O'GRADY

"Dan" "Danny"

ΑΤΩ ΤΒΠ Skull

Civil; Born July 5, 1908; Prep. Worcester South High School; Entered W. P. I. Sept. 1926; Address: 442 Park Ave., Worcester, Mass.

Baseball "W" (1, 2, 3); Football "W" (3, 4); W. P. I. A. A., Vice-President (3); Tech Council (4); Newman Club, Vice-President (3), President (4); A. S. C. E., Vice-President (3); Class Secretary (2b), Vice-President (3a, 3b); PEDDLER, Ass't Advertising Manager (4); Junior Marshal; Senior Banquet Committee.

DURING the summer of 1927 "Dan" drank milk and ate rare roast beef, and came back in the fall thirty pounds fatter. In spite of this, he had won the York Beach Beauty Prize. Rumor has it that since this event, he always reaches for a plug of tobacco instead of dessert.

Besides being one of our star athletes, "Dan," a Civil, has never taken a make-up, has the above record of activities, and still seems to have loads of time for fun. He is one of those fellows you are proud to introduce to others as your friend.

JOHN RICHARD PARKER

"Dick"

ΛXA

Mechanic; Born Nov. 30, 1907; Prep. Lunenburg High School; Entered W. P. I. Sept. 1926; Address: Lunenburg, Mass.

Ass't Mgr. Track (3), Mgr. (4); Glee Club (1, 2, 3, 4); Rope-Pull.

ANOTHER one of those chaps who is always in a hurry is "Dick" Parker. It's "Hello—Good-bye," and he's gone. However, being manager of track is an all year round job in itself, and probably accounts for most of the bustle. Carting hurdles all over the field, chasing after the shot and javelin, clearing the track of spectators and what have you, are just a few incidentals in one day's practice.

As a student, "Dick" is a four-year man. Enough said. As a society hound, well, that needs elaboration. When a man will go all the way to *Troy* for a date, he must be hard up. Enough said, there, too.

HENRY ADOLPH PEARSON

"Hank"

ΑΤΩ

Mechanic; Born March 11, 1906; Prep. Worcester Classical High; Entered W. P. I. Sept. 1925; Address: Worcester, Mass.

Track "W" (1); Cross Country (1); Class Track (1, 2, 3).

AT the end of his Junior year, Henry took the opportunity to gain some practical experience with Pratt and Whitney working on radial airplane engines. He returned to Tech the next year and entered our class as a Senior, joining the aeronautics group to further his training in that line.

Like a true engineer, he always had his reports neatly done and in on time. But work or worries seldom cast a cloud over Henry's cheerful disposition. The ability of keeping this is a source of constant wonder to his classmates, for "Hank" has been a married man for several years now, and one would expect the traditional results. However, refer to page seventy of this volume.

GEORGE EMERY PERREAULT

"George"

ΣΑΕ

Mechanic; Born June 25, 1907; Prep. Worcester North High School; Entered W. P. I. Sept. 1926; Address: 16 Roxbury St., Worcester, Mass.

Glee Club (3a); A. S. M. E.; Manager, Tennis (4); Junior Prom Committee (3); Class Rifle (1); Rope-Pull (1, 2); Commencement Committee.

A VERY pleasing and unassuming personality, a seemingly inexhaustible supply of patience and energy and the ability to act the part of a perfect gentleman at all times are some of the most outstanding characteristics of "George."

Though quiet, "George" has found time to lend his assistance on various class committees and activities, and as manager of the Varsity Tennis Team he has contributed his share toward supporting his Alma Mater in extra-curricular activities.

"George" is a hard worker, and his knack of sticking with a job until it is done to his satisfaction, coupled with his ability to make friends, point well to a successful future in the engineering field.

ARTHUR FISHER PIERCE, JR.

"Art"

ΑΤΩ

Electric; Born March 3, 1908; Prep. Springfield Technical High School; Entered W. P. I. Sept. 1926; Address: Springfield, Mass.

Orchestra (1, 2); "Boyntonians" (3); Band (1, 2, 3); Ass't Manager Tennis (3); Knights of the Road.

"ART" was another one of these Springfield trained sharks who never went to a drawing class during his first two years. As a result he developed a taste for the cinema, which we fear, is liable to prove his undoing.

"Art" has one of the most dependable good natures in the class, and it fits the rest of his sunny, easy-going nature admirably. Hence, it is with some surprise that we see him get "all hot and bothered" on the tennis and squash courts. He should get a job as racquet tester for some company, as he has "tested" more racquets to destruction, under working conditions, than any other person known.

GEORGE EVERILL PIERCE

"George"

ΛΧΑ

Mechanic; Born Feb. 2, 1907; Prep. Turners Falls High School; Entered W. P. I. Sept. 1926; Address: Montague, Mass.

Cross Country (1a, 4a); Rope-Pull (2a); Interclass Track (1a, 2a); A. S. M. E.

AN old Indian motorcycle was "George's" closest companion during his Freshman and Sophomore years. As to why he discarded it, we do not know, unless it was because he felt that such was below the dignity of a Junior.

As a Freshman, "George" showed promise of developing into a first-class long distance man and might have done so had it not been for an injury to his ankle. Even at that he has had little difficulty in placing in both interclass and interfraternity one and two-mile races.

As for "stepping out," that is another thing which "George" reserved for his Senior Year. Give him one more year and you could undoubtedly find him at all Tech dances. He is a good illustration of that old maxim, "It's never too late to begin."

MARION LAWRENCE PRICE

"Cookie"

ΣΑΕ Skull

Mechanic; Born Sept. 12, 1908; Prep. Palm Beach, Fla., High School; Entered W. P. I. Sept. 1926; Address: Fort Pierce, Florida.

Relay Team "W" (2); Track "aWa" (1), "W" (2); *Tech News* Reporter (1, 2); Y. M. C. A., Treasurer (2), President (4); Tech Council; Class Historian (1a), Treasurer (1b), President (2a, 4a, 4b); Permanent Class President; Class Football (1, 2); Track (1, 2); Swimming (1); Rope-Pull (1, 2); Captain (2); Frosh Rules Committee, Chairman; Carnival (2); Tech Banquet Committee (2, 4); Cosmopolitan Club; A. S. M. E.

ONE certainly appreciates the fact that Tech is so well known that it was able to bring to the class of 1930 a fellow like "Cookie." He inspires a genuine confidence and a genuine liking in all who meet him. He was perhaps one of the busiest men on the Hill, but if there was anything to be done he could do it and would do it. In this respect he certainly proved the old saying, "When you want something done ask the busy man and not the man who has plenty of time."

JOHN EDWARD PROHOVICH

"Jack"

Chemist; Born March 18, 1907; Prep. Turners Falls High School; Entered W. P. I. Sept. 1926; Address: Turners Falls, Mass.

Varsity Track "W" (1b, 2, 3, 4); Baseball "W" (2); Rope-Pull (2).

"JACK" started with us in our Freshman year, after having spent a year at Colby, where he learned soon enough that the "cultural courses" and co-eds there didn't come up to the standards of "College Humor."

When we first sighted John, we knew this husky fellow was an athlete, and he proved it to us. Although generally not known, he excels as a boxer, and is known to a sad few as "Knockout Prohovich."

Kept on the jump as he was, with his "Chem" courses, "putting the shot," and his outside jobs such as furnace tending, and waiting at tables, John nevertheless never missed an opportunity to greet everyone with a cheerful "Wie geht's bei dem braunen Knaben?"

ROY WAYLAND PUDDINGTON

"Puddy"

ΦΣΚ

Electric; Born Nov. 11, 1907; Prep. West Springfield High School; Entered W. P. I. Sept. 1926; Address: West Springfield, Mass.

Tech News Association (1, 2), Advertising Manager (3), Ass't Business Manager of PEDDLER (3), Business Manager (4); Football (1, 2); Knights of the Road; A. I. E. E.; Rope-Pull (1, 2); Class Football (1, 2); Soph Hop Committee; Commencement Committee.

"PUDDY" is the slow easy going fellow that may be seen moving around the E. E. Building provided that he hasn't been to Boston the night before. Before coming to Tech "Puddy" used to think that variety was the spice of life (ask "Barney") but since coming here he has become a steady visitor in Boston.

Due to the good example that his roommate "Barney" set for him, he has completely abolished profane language from his vocabulary. To fully appreciate this it would be necessary to listen in on one of their arguments.

"Puddy" is always ready to drop a report to join in a bull fest or go to a show.

WARREN RICHARD PURCELL

"Bim"

Electric; Born July 30, 1909; Prep. Worcester Classical High School; Entered W. P. I. Sept. 1926; Address: 630 Pleasant St., Worcester, Mass.

Newman Club (1, 2, 3, 4); Treasurer (4); Banjo Club (1, 2, 3, 4), Leader (3, 4); Orchestra (2, 3, 4); Rope-Pull (2); Carnival Skit (2); Junior Prom Committee; A. I. E. E.; Commencement Committee.

THE modest possessor of an outstanding type of personality, made most enjoyable by an ever present touch of poker-faced wit, "Bim" has sailed through his four years of Tech life, getting more out of college than the average, and making those who knew him well, victims of his contagious good nature.

His one atrocious habit of going to bed with his "Tux" on in the wee small hours after a merry night before, we fear is going to be his undoing. However, of late, "Bim" has constantly been bestowing his dynamic presence on *one* of the gentler sex instead of the former many, and if she turns out to be of a reforming type, anything might happen.

PAUL EDWARD REYNOLDS

"Paul"

ΦΣK

Chemist; Born July 24, 1909; Prep. Torrington High School, Torrington, Conn.; Entered W. P. I. Sept. 1926; Address: Springfield, Mass.

Track (1b, 2, 3); Rope-Pull; Knights of the Road; Skeptical Chymists; Tech Carnival.

OUR attention was first drawn to Paul by his work as a pole vaulter. We've been watching him ever since. In Lab somebody's empty pocket could always be found when Paul had a bottle of ether to empty or a washbottle to drain.

Paul's hobby is no longer track. It is said that he whiles away hours on Organic or Sanit tion, just because he likes it. However, he does squeeze in a little social life too. Yes, he is no woman-hater! "Smooth for a Chemist," they say.

Good luck, Paul old boy; but remember that the midnight oil will never be burned as long as the shades are up next door.

WILSON HAROLD RICE

"Ricey" "Goofer"

ΦΣΚ

Civil; Born June 12, 1907; Prep. Wilbraham Academy; Entered W. P. I. Sept. 1926; Address: Wilbraham.

Soccer (1, 2, 3, 4), Captain (3, 4); Mgr. Musical Association (4); A. S. C. E.; Class Soccer, Capt. (1, 2); Knights of the Road.

"RICEY" is a good old chap of extreme versatility. His first success at W. P. I. was in soccer as a Freshman, since then he has served his Alma Mater as captain for two consecutive years. By his Junior year he was able to grow goofer feathers on his lip which placed him in an exclusive realm. Since then his activities in behalf of the Musical Association, which he has served as manager this year, have added to his laurels.

As "Ricey" takes the civil course, he found no difficulty in making Sigma Beta, nevertheless, with his vigor and vitality, we all know that he will succeed and make an enviable record of achievement during life.

CLIFFORD ELMER RICHEY

"Cliff"

ΘX

Civil; Born May 10, 1899; Prep. Chicopee High School; Entered W. P. I. Sept. 1920; Address: Fairview, Mass.

Glee Club, 1928-30.

THERE was a man in E. E. 2 last year who answered all of "Joe" Phelon's questions as to what to do if a circuit-breaker should blow out on an overloaded trolley car. That man was "Clif."

Courage has been the big thing in "Clif's" career at Tech. Forced to withdraw from the Institute twice because of illness, he has come back to work against the odds of having been out of touch with college and its ways for some time, and in spite of the fact that he was much older than his colleagues. The difficulties set up by many such conditions have not deterred "Clif" from maintaining at all times as pleasant and even-tempered disposition as we would wish to see.

WALTER RUTMAN

"Walt"

ΣΩΨ

Chemist; Born June 7, 1908; Prep. Classical High School, Worcester, Mass.; Entered W. P. I. Sept. 1926; Address: 35 Woodford St., Worcester, Mass.

Skeptical Chymists; Judean Club.

WALTER came to us four years ago from Classical High, prepared to make his mark in the world. He was soon attracted to Salisbury Laboratories to the extent that he has spent the greater part of his sojourn here playing with chemicals. He is one of a select few remaining that have weathered the storm in four years.

Anyone reading the Worcester *Gazette* is familiar with "Walt's" handiwork in writing Tech notes and keeping the public informed of Worcester Tech's various activities.

Walter has shown that he is made of the right stuff and combined with his personality, bids fair to be heard from in the future.

TRUMAN LLOYD SANDERSON

"T. L."

ΘΥΩ

Electric; Born April 23, 1906; Prep. Weston High School; Entered W. P. I. Sept. 1925; Address: Wayland, Mass.

"T. L." is the boy who so dearly loves to write reports. He just yearns and yearns to get away from the card table in order to write one, but it seems that someone usually puts glue in his seat so that it can't be done. And then when Prof. Knight invites him to hie himself to other places than the E. E. Laboratory, he is heartbroken.

But that doesn't say that "Sandy" is not a climber. By no means! Ask him how far it is to the top of the Harriman hydro-station surge tank, and he'll probably tell you you're all wet, as was he when he came slithering down from that height.

WITTIE FRANCIS SCHUKA

"Schuka"

ΣΞ

Civil; Born Dec. 7, 1908; Prep. North High School; Entered W. P. I. Sept. 1926; Address: 5 Modoc St., Worcester, Mass.

Freshman Football; Freshman Track; Varsity Track (1, 2, 3, 4).

SCHUKA'S outstanding charaeteristies are eonscientious care in the mastery of details, and overwhelming fondness for argument. Many a student has experienced the thrill of completing a design, only to have Sehuka indieate some violation of the speeifieations of 1890. Sehuka was in the thick of every debate, his speeial delight being to subdue those most noted for their intelleetual attainments. But in all his arguments, and in all his applieation to details, Sehuka never lost sight of those broad seientifie prineiples whieh are so essential to good engineering, and we cannot help but feel that his knowledge was far deeper than was generally apparent.

NORMAN LAWRENCE SHAW

"Norm"

ΦΓΔ ΣΞ

Mechanic; Born June 22, 1905; Prep. Holyoke High School; Entered W. P. I. Sept. 1926; Address: Holyoke, Mass.

Class Football (1, 2); Member-at-Large (1); Goat's Head Rules Committee (3); Nominating Committee; Rope-Pull, Captain (1).

"NORM" moved his bulk to Woreester in the fall of '26, and within a few weeks of registration day had settled it on the business end of the big rope so solidly that the Sophs eould not drag his team through the water. Since then "Norm" has been available to the class whenever there was any heavy work, like bowling over offending football players, etc.

"Norm" would make a good lawyer, as he has a way of getting information when he wants it. He has a sense of humor and a method of expressing it in a few pithy sentences whieh would faze even a Worcester "eop."

DONALD ROYAL SIMONDS

"Don"

ΑΤΩ ΣΞ

Mechanic; Born Sept. 7, 1909; Prep. Mary E. Wells High School, Southbridge, Mass; Entered W. P. I. Sept. 1926; Address: Southbridge, Mass.

Soccer (2, 3); Masque (1b); A. S. M. E.; Aero Club.

"DON" can be counted on to render a creditable performance in any line, demonstrating his versatility as leading man in the Tech Show of 1927, and as a forward in soccer.

"Don" hides under his care-free exterior another side of his character which is not often revealed. At heart, "Don" is a lover of beauty, and his secret ambition is to visit the corners of the earth.

Let us lower our heads in reverence. "Don" has been removed from the pale of we ordinary mortals in being honored by appointment to the position of assistant in aeronautics.

CLYDE THOMPSON SMITH

"C. T." "Sparks"

ΘΥΩ

Mechanic; Born April 2, 1907; Prep. Windsor High School, Loomis Institute, South Manchester High; Entered W. P. I. Sept. 1926; Address: Windsor, Conn.

Tech News Reporter (2); Glee Club (1, 2); Secretary-Treasurer, Radio Club, Chief Operator (3, 4); Rifle Club (2, 3, 4); Cross Country (4); Camera Club (4).

"— a commercial radio operator, publisher, photographer, typewriter salesman, lab expert and dabbler in the stock market; a man who expects the best and gets it; a tireless worker and all 'round good fellow."

"Who is this?", you say. Why "Sparks" of course. Who else could do so much and still have some time for studies? Who could be out every day and night and still pass the make-up? Who could turn and sell the jewelry salesman a typewriter? "C. T." is the man. Keep it up "Sparks," we all expect to see you write "Inc." after your name yet.

LESTER SMITH

"Les"

Born May 10, 1900; Prep. Worcester South High; Entered W. P. I. Sept. 1924; Address: 55 Southgate St., Worcester.

THERE is one thing that the Senior Civils owe to "Les" that they won't forget in a hurry. That was a complete set of Dynamics quizzes which proved to be a life saver to many who, to this day, have never found out the difference between a mass and a four.

One could usually depend on "Les" to have his work done, whether right or wrong is entirely beside the point, it was then to be studied (copied?). Being of Worcester origin, he usually spent his fly hours in the C. E. drafting room and was therefore not infrequently drawn into those inevitable arguments which distinguish any civil gathering. Well, "Les," you were never any more wrong than the rest of your brothers.

FRANCIS PARKER SMITH

"Park" "Smitty"

ΦΣK

Mechanic; Born Dec. 23, 1905; Prep. Windham High; Entered W. P. I. Sept. 1926; Address: Willimantic, Conn.

Basketball (1, 2, 3, 4) "W" (2); A. S. M. E. (2, 3, 4); Vice-President (4); Class Vice-President (2b); Auditor (3a, b); Rope-Pull (1, 2); Class Basketball (1, 2, 3); Class Football (2).

"PARKER" was a regular forward on Tech's basketball team when the team could be counted on to win three-quarters of its games. Few Seniors will forget the games against Clark in our Sophomore year when the team won against apparently heavy odds. "Smitty's" smooth passwork and certain eye were no small factors in those wins.

There is no question as to who is the handsomest senior at Phi Sig, at least, not in "Parker's" mind. On one occasion, while waiting for the "one and only," he remembered that he had forgotten to shave. Dashing out of the house he hurried home to perform the needless operation and hurried back to find the girl greatly mystified at his disappearance. "Park," do you still insist there were several hairs on that left cheek?

HARRY ARNOLD SORENSON

"H. A." "Gummy"

ΤΒΠ ΘΥΩ ΣΞ

Mechanic; Born March 4, 1908; Prep. Hartford Public High School; Entered W. P. I. Sept. 1926; Address: Hartford, Conn.

Rifle Team (2, 3), "rWt" (2, 3), Manager (3); Rifle Club, Secretary (3), President (4); Radio Club (1, 2, 3, 4,), Secretary-Treasurer (3), President (4); A. S. M. E.; Class Rifle Team (3, 4); Manager, Golf (4).

"GUMMY" is the boy who, upon coming to Boynton Hill, immediately set his cap for scholastic awards. He was successful to a great degree, having won one of the four available matriculation scholarships and having won full aid every year since then as well as making "Tau Beta."

We should think "H. A.'s" life would be just one round of crackles and bangs, away from the books, for his activities in connection with the Radio and Rifle clubs would make him pretty familiar with that sort of noise. But perhaps the sharp reports cause his alertness in his studies, by keeping him on the jump all the time.

JAMES BRUCE STEARNS, JR.

"Jasper" "J. B."

Civil; Born June 15, 1907; Prep. Clinton High School; Entered W. P. I. Sept. 1926; Address: Clinton, Mass.

A. S. C. E.

A FRIGHTFUL clatter, women faint, strong men grow pale. Is the world coming to an end? No, children, "J. B." has just left Clinton in his famous "Rattle-box," to make an eight o'clock.

Yes, he made it with just enough time to spare, to clear up a few of the more difficult points in the lesson for his less-brilliant classmates.

His talent, however, was not limited to solving knotty problems. As a poet, philosopher, and taker of cold showers before exams, he had no peer. Thanks to him, many of the benefits of a classical education were garnered from the weighty and often times heated arguments, engaged in between classes.

ROGER KNOWLTON STOUGHTON

"Rog"

ΦΓΔ

Mechanic; Born Jan. 1, 1906; Prep. South High School, Worcester; Entered W. P. I. Sept. 1924; Address: 7 Pomona Rd., Worcester, Mass.

Varsity Track (1, 2, 3), Captain (3); Class Track (1, 2); Class Soccer (1); Class Baseball (1); Class Basketball (1); Camera Club (1); Rope-Pull, Coxswain (1).

"ROG'S" ability on the track has made him a well known figure on the Hill. His activities have not been confined to track, however, for he has always been present at Tech gatherings of all kinds.

Occasionally "Rog's" interest in education has led him to visit other institutions of learning where he has also become more or less well known to the student body. More than one Sunday afternoon "Rog" has torn himself away from his books and hurried off to Wheaton or Wellesley.

Roger is one of our quiet, likeable fellows whom we all wish well. We hope he may be as successful in life as he was at capturing laurels for Tech on the track.

FERDYNAND MICHAEL WALTER STROYNY

"Fred"

Electric; Born July 28, 1907; Prep. Taunton High School; Entered W. P. I. Sept. 1926; Address: 74 Linden St., Taunton, Mass.

Rope-Pull (1), Coxswain (2); Newman Club; A. I. E. E. (3, 4).

"FREDDIE" came to Tech from the wilds of Taunton, a young and innocent youth. However, four years at Tech and a stay in the Bronx have taught him much of the mysteries of life. He smokes and even dances now.

His patience certainly deserves commendation. Since his arrival at Tech, he has endeavored to grow a mustache, and has finally succeeded, even if the mustache is not visible in his photograph.

The main breakers in the E. E. Lab. always seemed to resent his presence on the line. However, his genial humor and personality have won for him the friendship of his classmates.

That's all—no more, "Freddie."

WILLIAM EDWARD TATE

"Bill" "Connie"

ΘΥΩ

Chemist; Born July 3, 1908; Prep. Uxbridge High School; Entered W. P. I. Sept. 1926; Address: No. Uxbridge, Mass.

"TWO beers, Connie!" Named in his Freshman year from an unfortunate resemblance to a certain popular innkeeper of our fair city, William has since striven manfully to live up to the implications involved, and, although the folks back in Uxbridge may not realize it, he has succeeded more than fairly well. His heart was permanently reduced to the colloidal state in his Junior year, and his closest friends and associates agree that that is probably the cause of what is wrong with him.

It is because of these things, however, and not in spite of them, that we are sure we shall always look back to "Connie" as being the cause of one of the bright spots in our college career. "Two more beers, Connie."

JOSEPH THOMAS TAWTER

"Joe"

ΤΒΠ Skull ΣΑΕ

Mechanic; Born Sept. 11, 1907; Prep. Gardner High School; Entered W. P. I. Sept. 1926; Address: 145 Greenwood St., Gardner, Mass. Baseball "W" (1, 2, 3, 4), Captain (4); Swimming (2, 3, 4), Captain (2); Rope-Pull (1); Class Auditor (4a); A. S. M. E.

"JOE" is the fellow who spends his time in the warm weather sliding around the dirt on the baseball field, and in the winter getting cleaned up in the swimming pool. "Joe," however, outclasses them all in the fancy dives. For three years "Joe" was the shorter half of the Leamy-Tawter combination on the diamond. "Joe's" peg from third to first will not be duplicated for some time. Whenever the ball was hit toward third the scorekeeper chalked up another put-out. The day "Joe" steps up to get his sheepskin the coaches of two teams will have to find two good men to take his place.

JOHN THOMAS TOMPKINS, JR.

"Tommy" *"The Gob"*

ΑΤΩ

Civil; Born Sept. 17, 1908; Prep. Western High, Washington, D. C., McKinley High, Washington D. C.; Francis Parker High, San Diego, Cal.; Entered W. P. I. Sept. 1926; Address: 2840 28th St. N. W., Washington, D. C.

Manager Football (4); Varsity Swimming (2); Knights of the Road (2, 3, 4); A. S. C. E.; Class Swimming (2, 3); Class Football (1).

FOUR short years ago, this roaming sailor roved into the fair haven of Worcester and decided to make it his base for the manoeuvers of a technical career.

Coming from the "Senatorial City" he seems to have acquired that gift of loquaciousness which makes for animated argument or lively conversation. In the athletic line "Tommy" has proved to be a natator of no mean ability, and also managed the Tech football team during the past season.

As for his social ability, he may be considered as one of our leading gentlemen, his presence at an affair of any sort is enough to vote it a complete success in every way.

ALFRED WHEELER VIBBER

"Al"

ΣΞ

General Science; Born Sept. 3, 1907; Prep. Worcester South High; Entered W. P. I. Sept. 1926; Address: 12 Montello St., Auburn, Mass.

THIS gentleman is our class scientist. He alone, of the several who started with him, has withstood successfully the rigors of the General Science course. "Al" tried his hand at Chemistry early in his Sophomore year, but not being willing to abide by the precept of the Chemist, that "He who would be a Chemist must be willing to ruin his health," he decided to follow the course of those elusive little beings called electrons.

We certainly must congratulate a man whose name appeared consistently in the high honors group. His willingness to help in some of those involved "Physie Chem" problems, and his ready knowledge of the contents of the latest books barred from Boston have won for him a unique position among his classmates.

VERNON EUGENE WADE

"Vernie"

ΘΥΩ

Chemist; Born May 8, 1908; Prep. Worcester South High; Entered W. P. I. Sept. 1926; Address: 34 Maywood St., Worcester.

Bowling (1, 2); Rope-Pull (1, 2); Class Bowling (1, 2).

"VERNIE" has always been a serious young man, to our knowledge. He matriculated at Tech fixed with an ambition to graduate in the class with which he entered. His determined persistency has won out despite occasional illnesses that forced him to leave school work. Being unafraid of tackling any task, he will make a success of his work in whatever line of chemistry he may follow.

"Vernie" was thought for a time to be entirely given over to his studies but finally he appeared at the Saturday night basketball games with his "fair young lady." This feature of Tech life became a fixture on his calendar. No longer was his occasional weariness excused on the grounds of scholastic work.

MILTON YOUNG WARNER

"Milt"

ΘΥΩ

Mechanic; Born May 24, 1906; Prep. Amherst High School; Entered W. P. I. Sept. 1925; Address: Amherst, Mass.

Glee Club (2, 3, 4); Aero Club.

DESPITE the agricultural inclinations of Amherst, Milton decided that engineering was made to order for him and that is why he is with us today. He entered with the class of '29 but later decided to cast his allegiance with the class of '30 so he stayed out a year to do so. In spite of an outward appearance of being quiet, he has been known to cut loose every now and then, as the Aero students will testify. Tell "Zipp" that some certain place possesses all the advantages over some other, and you will find yourself in a most heated argument.

JOHN HENRY WELLS

"Jack"

ΣΞ ΘΥΩ

Civil; Born Feb. 1, 1910; Prep. Thornton Academy; Entered W. P. I. Sept. 1926; Address: Kennebunkport, Maine.

A. S. C. E.; Class Auditor (2a); Nominating Committee.

WHEN "Jack" acquired the most inconspicuous seat in the drafting room it seemed to offer numerous opportunities for sleeping, and, of course, he tried to use them. More than once, however, he has awakened to the question "How's the sleeping back here, Wells?"" and looked up to find "Pa" hovering over him.

As the youngest member of the class "Johnnie" believes he is entitled to special privileges and has always used them. Who has not been reminded by "Jack," no matter what the time, place, or society, that such and such a word was accented on the second syllable and contained only one "e"? Well, John, here's hoping that your future co-workers treat you as good-naturedly as we have.

ELLIS HOBART WHITAKER

"Whit"

ΣAE

Mechanic; Born Dec. 2, 1908; Prep. Northampton High School; Entered W. P. I. Sept. 1925; Address: 23 Cedar St., Northampton, Mass.

Tech News (1, 2, 3), Subscription Mgr. (3); A. S. M. E.; Class Soccer (2, 3); Class Rifle Team (5).

IT was in our Junior year that most of us became acquainted with "Whit," although most of us had heard (of) him before. He hails from the "wilds" of Northampton and the Smith College campus.

In the class room "Whit" always had an answer to every question asked; whether it was the right one or just "x" is another thing entirely. It seemed a shame that he had to miss so many classes but the "Profs" do insist on making out schedules full of eight o'clocks.

With his ability to write excellent reports "Whit" should go a long way in the right job.

WARREN CARLTON WHITTUM

"Whit"

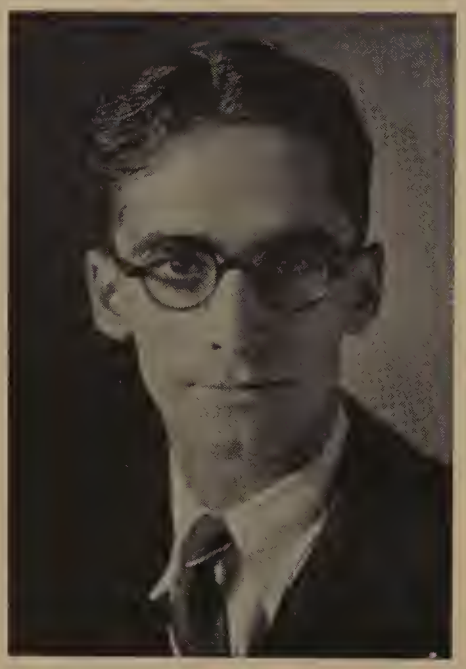
ΣAE ΣΞ

Civil; Born Dec. 20, 1908; Prep. Worcester North High School; Entered W. P. I. Sept. 1926; Address: 23 Nelson Place, Worcester, Mass.

Class Rifle Team (1, 2); A. S. C. E.; Soccer.

UPON entering Tech "Whit" was honored with the Victor E. Edwards Scholarship, and three years later his brother, Gordon, was honored by receiving the "Yankee Ingenuity" Scholarship. Warren came to Tech with a purpose and in a quiet unassuming way has won the respect and warm regards of his classmates.

"Whit" has been a persistent worker but by no means a grind, having found time to take part in various class activities and in Varsity Soccer. He leaves behind an enviable record and many friends, and undoubtedly in the same quiet, unassuming way he will continue in the bigger work ahead of him. "A true scholar and a gentleman"—these words truly describe "Whit."



CHARLES LESLIE WRIGHT

"Charlie" "Augie"

ΛXA TBΠ

Mechanic; Born Oct. 28, 1907; Prep. Palmer High School; Entered W. P. I. Sept. 1926; Address: Palmer, Mass.

Mgr. Basketball (4); Reporter, *Tech News* (2); Secretary W. P. I. Y. M. C. A. (4); President, A. S. M. E. (4).

IF the past is any indication of the future, "Charlie" is sure to win out. His record of achievements, including Tau Beta Pi, manager of basketball and others, is due to the whole-hearted manner in which he performs every task. This characteristic is sure to carry him high in the future.

"Charlie" has also directed the footsteps of the A. S. M. E. and his "eats" have been known to have disastrous results.

In spite of all these activities, "Charlie" has found time to indulge in many social functions, usually in the company of "one" certain party.

ARTHUR ATTILO ZAVARELLA

"Zav"

Chemist; Born Nov. 23, 1906; Prep. East Hartford High School; Entered W. P. I. Sept. 1926; Address: Hartford, Conn.

Cross Country, "cWc" (3a); Ass't Cheer Leader (2b, 3a); *Tech News*, Reporter (1b, 3a), Junior Editor (2b, 3a), Secretary (3b 4a); President Radio Club (2b, 3a); Class Football (1a); Class Auditor (1b); Class Treasurer (2); Soph Hop Committee; Junior Rope-Pull Committee, Chairman; Skeptical Chymists; Newman Club (4b).

ZAV was the strong man of the class in our Freshman year, thereby putting to shame those of us of mightier stature. His strength also extends to strength of mind, as he is eager and ready at all times to argue on any question. He is apt to introduce fallacies, such as "talking through one's hat," to keep up the discussion, but he knows better, of course, because he was one of "Coombsie's" star students. But seriously, all of us admire the dogged determination and fearlessness with which he attacked those infamous chemistry courses.

Non-Resident Experience Course Men from the Class of 1930

EVERETT A. GARTRELL

"Gart"

TURNERS FALLS, MASS.

Electric; General Electric Company, Schenectady, N. Y.

CHRIST LAJAR ORPHANIDES

"Orphy"

SPRINGFIELD, MASS.

Electric; Westinghouse Electric & Manufacturing Company, Pittsburgh, Pa.

EDGAR ALLEN PHANEUF

"Ed"

SPENCER, MASS.

Electric; Westinghouse Electric & Manufacturing Company, Pittsburgh, Pa.

FERDINAND ANDREW TRAUTNER

"Ferdie"

FITCHBURG, MASS.

AXA; Electric; A. I. E. E.; Track (1, 2, 3); Football (3); Junior Prom Committee. Now with Westinghouse Electric & Manufacturing Company, Pittsburgh, Pa.

In Memoriam

SUENORI KUWADA

Born, Hyogo-Ken, Japan, March 3, 1908; Died, Lunenburg, Massachusetts, May 1, 1929.

FOLLOWING in the footsteps of his illustrious father, Gompei Kuwada of the Class of '94, Suenori had started in to make a name for himself at Tech when he was seized by that dreaded disease, tuberculosis. Too far from home to go there for the summer of his Sophomore year, he went to Lunenburg where he was constantly visited by his classmates and professors. He could not rally, and finally succumbed during the following spring.

Suenori was a favorite. He was one of the "Four Horsemen" with Perreault, Price, and Puddington, and because of his many delightful characteristics as exhibited on the soccer field and in the classroom, where he delighted in drawing fancy pictures on the blackboard, and made the professors cock their ears for the sound of his whispering voice, he was universally known on the Hill. He will be missed as long as his classmates hold Tech in memory.

THE PHANTOM LIST

Howard Davenport Abbott
William C. Adelson
Alfred F. Anderson
David Armitage
Servetus Thomas Ashworth, Jr.
Earle Stanley Batchelor
Myron Arthur Bean
Edwin Thomas Beaudette
Herbert Damon Berry
Nicholas L. Brewer
Clarence L. Buell
Malcolm Bruce
Newman Bumstead
George Lyman Bush
Clyde Kenneth Carpenter
Richard Vincent Chappell
William Hobart Childs
William Edward Clingan
Joseph Howe Coghill
Aaron Cook
Robert Emmett Corish
Kenneth William Crossman
Sherman Dane
Thomas Wilson Davis
Floyd Hurlbutt Emerson
Anthony Fidrych, Jr.
Paul Joseph Finnerty
Martin Samuel Firth
Hilton Fisher
Stanley Milton Fiske
Leland Harvey Fisler
George Henry Fitt
Bertil Theodore Funke
Ernest Leonard Goodsell
William Lawrence Goring, Jr.
Richard Warren Hanson
Earle Dresser Hardy
Harris Allen Higgins
Henry Isadore Hirsches
Jerold David Hirschman
Alfred Harold Holway
Daniel Stephen Horgan
Anthony Israelian
Clifford Blair Ives
Raymond Harold Johnson
Charles Kirby Johnson
Wendell John Johnson
Donald Wilbur Johnston
Joseph Trowbridge Johnston
Theodore Winthrop Jones
Irving Joseph
Louis Charles Kaminski
Edward Kelley
Foster Lee Lampron, Jr.
Russell Joscelyn LeBosquet
Raymond Chester Lewis
Ernest Albert Loeffler
Roger Hubbard Lonergan
Eugene Francis Lowe, Jr.
John Joseph Lyons
Edson Lyman Merrill
Paul Beagary Morgan, Jr.
Ivan Reuben Murphy
Paul Robert Nelson
Morris Newman
Frank Henry Norton, Jr.
John Joseph Nowiski
Charles Andrew O'Malley
Ernest Palmer
Wesley Croft Pierce
William John Pigeon
Clayton Elwood Pineo
Malcolm Edward Reno
Lawrence Roderick
George Harry Rose
Frederick Lansing Speer
Wilbur Joseph Stover
George Whitmore Stratton
John Henry Sylvester
Paul Peter Topelian
Francis Benjamin Townsend
Joseph Turner
Prescott Kingsbury Turner
Merton Elmer Tyrel
Oliver Noah Walker
William Warren Walsh
James Woolley
Francis Nelson Young

CLASS OF 1930 AS FRESHMEN

JUNIORS

CLASS OF 1931

JUNIOR CLASS OFFICERS

RALPH HODGKINSON

FIRST SEMESTER

President, Ralph Hodgkinson
Vice-President, A. Francis Townsend, Jr.
Secretary, Edward J. Bayon
Treasurer, Allan G. Hall
Historian, John H. Hinchliffe, Jr.
Auditor, Raymond E. Hall

A. FRANCIS TOWNSEND

SECOND SEMESTER

President, Ralph Hodgkinson
Vice-President, Carl Eric Rylander
Secretary, Edward J. Bayon
Treasurer, Allan G. Hall
Historian, John H. Hinchliffe, Jr.
Auditor, Richard G. Marden

JUNIOR CLASS ROLL

Paul Amiel Abell, "Emo," 24 Elbridge St., Worcester.
Mechanic; A. S. M. E.

Clarence Malcolm Alber, "Mal," Millers Falls.
Chemist; Tennis, "tWt" (1, 2); Junior Editor 1930 PEDDLER; Skeptical Chymists, Vice-President (3); Ass't Manager Basketball (3).

Charles King Aldrich, "King," Elizabeth, N. J.
ΛΧΑ; Civil; A. S. C. E.; Glee Club (1).

Edward Daggett Amsden, Concord, N. H.
ΦΓΔ; Mechanic; Fencing Club.

Frank Severin Anderson, "Andy," 2 Clearview Ave., Worcester.
Mechanic; Baseball Squad (1, 2,); Hockey.

Idof Anderson, Jr., "Andy," 5 Watson Ave., Worcester.
Electric; A. I. E. E.

Frank Hurlburt Andrews, "Andy," 500 Lincoln St., Worcester.
Civil; Baseball Squad (1); A. S. C. E.; Newman Club; Rope-Pull (1, 2).

Uuno Orvo Annala, Worcester.
Electric.

Robert Thomas Barnicle, "Bob," Fitchburg.
ΣAE; Civil.

Robert Edward Barrett, Leominster.
ΣAE; Electric; Ass't Manager Basketball (3).

Edward John Bayon, "Ed," Holyoke.
ΣAE; Civil; Soccer "aWf" (2, 3); Basketball "bWb" (1, 2, 3); Ass't. Manager Baseball (3); A. S. C. E. Secretary (3); Newman Club, Director (1, 2); Vice-President (3); Knights of the Road; Springfield Club, Secretary (2a, b, 3a); Class Soccer (1, 2); Class Basketball (1, 2); Class Baseball (2).

Thomas Gerald Bergin, Swampscott.
Chemist; Football (1, 2); Newman Club.

Clifford Arthur Bergquist, "Cliff," 19 Everard St., Worcester.
ΘΥΩ; Mechanic; Football Squad (2); Class Football (1, 2); Class Swimming (3); Rope-Pull (2).

Roscoe H. Bowers, Beverly, N. J.
Electric; Golf (1b, 2b, 3b), Captain (3b).

Francis Joseph Burgoyne, Worcester.
Civil; Carnival (2); A. S. C. E.; Newman Club.

Henry James Burnett, Mapleville, R. I.
ΘX; Mechanic.

Norman Arno Butterfield, "Colonel," East Wilton, Me.
ΣAE; Mechanic; Band (1, 2, 3); Rope-Pull (1, 2).

Robert N. Cambridge, Clinton.
ΣAE; Mechanic; Class Historian (1a).

Hilding Oscar Carlson, "Hilly," 43 Catherine St., Worcester.
Chemist; *Tech News*, Reporter (2); Junior Editor (3); Glee Club; Skeptical Chymists.

Francis Oscar Carlstrom, "Buck," Auburn.
Electric.

Stanley Quock Wing Chin, "Stan," 108 Mechanic St., Worcester.
Electric; Rifle Team (2, 3), Ass't. Manager (3); *Tech News*, Reporter (1b, 2a, b); Masque (3b); Rope-Pull, Coxswain

(1, 2); Cosmopolitan Club (1, 2, 3); Rifle Club (1, 2, 3); A. I. E. E.; Radio Club (2); Wireless Club (2b); Class Rifle Team (1, 2, 3).

Newell Lloyd Clark, Springfield.
Civil; Masque (2); A. S. C. E.; Camera Club (1).

Edward Stephen Coe, Jr., "Ted," Shrewsbury.
ΑΤΩ; Civil; Baseball "W" (1, 2); Ass't. Manager Swimming (3); Knights of the Road; A. S. C. E.; Class Baseball (2).

Victor Noyes Colby. No. Grosvenordale, Conn.
General Science.

Everett Draper Collins, "Ev," Springfield.
ΦΣΚ; Mechanic; Tennis (1, 2); Junior Editor PEDDLER; Ass't Manager, Musical Association; A. S. M. E.; Knights of the Road; Class Tennis (1, 2); Class Soccer (1, 2); Junior Prom Committee (3).

Russell Vincent Corsini, "Russ," 239 Lincoln St., Worcester.
ΣΑΕ; Chemist; Tennis "tWt" (1, 2, 3); Newman Club; Skeptical Chymists; Class Tennis.

Harold Thurston Cutler, "Cut," Fitchburg.
ΑΤΩ; Electric; Masque (2b, 3, 4a); A. I. E. E.; Knights of the Road (3b, 4a).

John Russell Davis, "Dave," Shrewsbury
Electric; Glee Club (2); Football (1, 2).

Henry Newman Deane, "Gramp," Holden.
ΘΧ; Mechanic; Class Soccer (1, 2); Class Track (2); *Tech News*, Advertising Mgr.; Band; A. S. M. E.

Albert Merton Demont, "Al," Fitchburg.
ΣΑΕ; Electric; Varsity Rifle Team (1, 2), Captain (3); Treasurer, Rifle Club (2); Vice-President, Rifle Club (3); Rope-Pull (2).

John Francis Devaney, Clinton.
Civil; Banjo Club; Newman Club; A. S. C. E.; Rope-Pull (2).

Warren N. Doubleday, "Bun," North Dana.
ΛΧΑ; Electric; Ass't Manager Soccer (3); Rifle Club (1).

Emile Raymond Dube, Nashua, N. H.
Chemist.

Ralph Anton Duchacek, "Duke," West Springfield.
ΦΣΚ; Chemist; Cross Country (2); Track (2b); Soccer (3); Band; Skeptical Chymists; Relay "W" (3).

Leonard Gill Dunn, "Len," Granby, Que., Canada.
Electric; Golf Team (1, 2); Masque (3); Newman Club, Director; Junior Marshal.

Norman Milton Enman, Westboro.
ΘΥΩ; Electric.

Richard Webb Fairbanks, West Boylston.
ΘΥΩ; Mechanic; Tech Carnival; Soph Act; A. S. M. E.; Aero Club; Rope-Pull.

Frederick Adams Farrar, Keene, N. H.
ΛΧΑ; Electric; Glee Club.

Frank Stanley Finlayson, Worcester.
Mechanic; Cross Country (3); Banjo-Mandolin Club (1, 2, 3); A. S. M. E.; Class Track (1, 2).

Paul Herbert Fittz, Natick.
ΛΧΑ; Mechanic; Swimming "sWt" (2, 3); A. S. M. E.; Class Football (1); Rope-Pull (2); Class Swimming (2, 3).

Henry Francis Friel, "Harry," Worcester.
Electric; Newman Club; Cosmopolitan Club; A. I. E. E.

Charles Rusell Gill, "Russ," Greenville, S. C
ΘΥΩ; Chemist; Golf (2, 3).

Milton Dexter Gleason, "Deck," Baldwinsville.
ΘΥΩ; Mechanic; A. S. M. E.

Alfred Wallace Gove, "Wally," Leominster.
ΣΑΕ; Civil; A. S. C. E.; Y-Cabinet; Rope-Pull (1); Class Soccer (1); Assistant Manager, Track.

Harold Joseph Granger, "Harry," Worcester.
Mechanic; Track (2); Newman Club; Junior Marshall; Junior Prom Committee.

Frank Thomas Green, "Judge," Erie, Pa.
ΑΤΩ; Mechanic; Ass't Manager Tennis; Tech Show, Stage Manager; Knights of the Road; Chairman Soph Hop; Junior Prom Committee.

Raymond H. Guenther, Springfield.
ΘΥΩ; Mechanic.

Lloyd R. Hale, "Russ," Worcester.
Civil.

Allan Gordon Hall, "Al," Worcester.
ΛΧΑ; Civil; Cross Country; Track; Class Treasurer (2, 3); Treasurer Athletic Council.

Raymond Everett Hall, Springfield.
ΘΥΩ; Electric; Banjo Club (1, 2, 3).

Sumner Fitts Hall, Webster.
Civil; Glee Club (1, 2, 3); Masque, (3); A. S. C. E.

George Martin Hansen, "Han," Monson.
ΛΧΑ; Mechanic; Baseball; Soccer (Class); Rope-Pull; Junior Marshall.

Jay Maxwell Harpell, Worcester.
ΛΧΑ; Electric; Radio Club.

Edwin Raymond Harper, "Ed," Holyoke.
ΦΓΔ; Mechanic; Banjo Club (1, 2); Orchestra (1, 2); Band (1, 2); Treasurer, A. I. E. E. (2b); Rope-Pull (1, 2); Football (1, 2).

Edwin Vaughn Haskell, "Ed," Still River.
Chemist; Swimming (2); Rifle Team (2, 3); Skeptical Chymists; Class Swimming (2, 3); Class Rifle (2, 3).

Lewis Sherman Haskins, Worcester.
Mechanic.

Walker Taft Hawley, "Stubby," Holden.
ΘΧ; Mechanic; Soccer (1, 2); *Tech News,* Reporter (1, 2), Junior Editor (3); Y. M. C. A. Cabinet; Carnival Committee (3); A. S. M. E.; Junior Marshall; Class Soccer (1, 2); Constitution Committee.

John Henry Hinchliffe, Jr., "Johnny," Orange, Conn.
ΦΓΔ; Civil; Cheer Leader (2, 3); Glee Club (1, 2, 3); Quartet (2, 3); Vice-President Musical Association (3); Business Manager, Masque (3); Knights of the Road; A. S. C. E.; Historian (1, 2, 3a); Chairman Frosh Rules Committee; Chairman Half Way Thru Banquet Committee; Junior Marshall.

Ralph Hodgkinson, "Hodg," Worcester.
ΦΣΚ; Mechanic; Football (2, 3); President Musical Association (3), Vice-President (2); Glee Club Leader (1, 2, 3); Orchestra (1, 2); Y. M. C. A. Cabinet (3); Chairman Carnival Committee; Tech Council (3a); Class Football (1, 2); Class President (3a); Vice-President (2b).

Raymond Dunbar Holcombe, "Ray," Brockton.
ΘΧ; Mechanic; Swimming "sWt" (1, 2, 3); Football (1); Dormitory Committee (1); Soph Hop Committee; Junior Prom Committee; Class Football (1); Class Swimming (1, 2, 3).

Henry Edwin Hosmer, "Eddie," Westfield.
ΑΤΩ; Chemist; *Tech News,* Reporter (1b, 2a), Junior Editor (3); Manager, *Tech Bible* (1b), Editor (2b); Y. M.

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C. A. Cabinet (3); Carnival Committee (1, 2, 3,); Rope-Pull (1, 2); Knights of the Road; Skeptical Chymists; Sophomore Editor, PEDDLER; PEDDLER Staff (3); Editor-in-Chief (4); Ass't Manager Track (3).

Everett Johnson, "Ev," Holden.
Mechanic.

Charles Arthur Kennedy, "Charlie," Saratoga Springs, N. Y.
ΑΤΩ; Mechanic; Junior Marshall; Ass't Manager, Golf; Ass't Advertising Manager, PEDDLER.

Frederick Ralph Kenyon, "Ken," Southbridge.
ΛΧΑ Electric; Rope-Pull (1, 2); Radio Club.

David Lee Kiley, "Dave," Worcester.
Chemist; Track (1, 2, 3); Skeptical Chymists, Vice-President (3); Newman Club.

Usko Toivo Kontio, "Count," Fitchburg.
ΛΧΑ; Chemist; Basketball "bWb" (1, 2, 3, 4); Advertising Manager, Masque (4); Skeptical Chymists; Class Basket-Ball (1, 2); Carnival Skit (2).

Trescott Burgess Larchar, Webster.
ΛΧΑ; Chemist; Glee Club (1, 2, 3); Skeptical Chymists.

Abram Leibovitch, Bangkok, Siam.
Mechanic; Cosmopolitan Club; A. S. M. E.

Alexander Chester Lendo, Otter River.
ΣΑΕ; Civil.

Russell James Libbey, "Russ," Worcester.
ΘΥΩ; Mechanic; Ass't Manager Rifle Club (3); Glee Club (1, 2, 3); Band (1a); Rifle Club; Radio Club; Soccer (2a).

Roger H. Lonergan, Jefferson.
Civil.

William Arthur McAloon, "Mac," Taunton.
ΦΓΔ; Electric; A. I. E. E., Treasurer.

Otis Earle Mace, "Otie," Stemmers Run, Maryland.
ΑΤΩ; Track (1b, 2a, 2b, 3a); Knights of the Road; Class Nominating Committee (2b).

Gustav Eric Mangsen, "Gus," Worcester.
Chemist; Band (2a); Skeptical Chymists.

Richard Gibbs Marden, "Dick," Worcester.
ΣΑΕ; Ass't Manager Soccer; Aero Club;

COMMONS

A. S. M. E.; Class Banquet Committee (1a, 3a); Rope-Pull (1a).

William Usko Matson, "Whitie," Worcester.
Mechanic; Glee Club (2a, 2b); A. S. M. E.; Football (1, 2).

John Adam Matusewicz, "Jim," Baldwinsville.
Civil; Camera Club; A. S. C. E.

James McWhirter, Jr., West Warren.
Chemist.

Oliver B. Merrill, "O. B.," Amesbury.
ΘΥΩ; Mechanic; Ass't. Manager Golf (3b).

Dwight Herrick Moore, Huntington.
Civil.

Irving Smith Newcomb, "Newk," Manchester, N. H.
ΘX; Masque (1, 2, 3), Vice-President (3); Dormitory Committee.

Edward John Odlum, "Eddie," Worcester.
Electric; Newman Club; A. I. E. E.

Joseph Naudin Oswell, Worcester.
Electric.

Mario Pagnoni, Springfield.
Civil; Football.

Albert Irving Palm, "Al," Worcester.
Mechanic; Swimming (1, 2); *Tech News*, Reporter (2a).

William James Pearson, "Bill." Naugatuck, Conn.
ΘX; Class Football (1); Class Track (1, 2); Advertising Manager, Masque (3a); Cast (3b); Secretary, A. S. M. E.; Newman Club; Treasurer, Aeronautics Club; Freshman Banquet Committee.

Kenneth Hooper Perry, "Ken," Waltham.
ΛXA; TBΠ; Civil; Swimming "sWt"; Baseball "W"; Track "W"; PEDDLER Board; *Tech News*, Reporter; Junior Editor; A. S. C. E.; Secretary, W. P. I. A. A.; Class Auditor (1b); Class Football, Baseball, Track, Swimming; Cheer Leader; Junior Prom Committee.

Frederick Paul Peters, West Orange, N. J.
Chemist; Football Squad (1, 2); Class Football (1, 2); Track Squad (1); Mandolin Club; Newman Club; Skeptical Chymists; Carnival Committee.

Rolla Martin Peterson, Colrain.
Electric.

J. Philip Pierce, "Phil," Worcester.
ΛXA; Electric Varsity Track (1, 2, 3).

George Rak, Jr., Mansfield Center, Conn.
Mechanic.

James Lathrop Rathbun, "Jimmy," Mystic, Conn.
ΦΓΔ; Mechanic; Asst' Manager, Musical Association.

Eben Heaton Rice, "Ben," Gardner.
ΘX; Civil; Football (1, 2, 3), "W" (3); Basketball (1, 2), "bWb"; Track (1, 2), "W" (2); *Tech News*, Junior Editor; Half Way Thru Banquet Committee.

John Lloyd Richmond, West Palm Beach, Fla.
ΣAE; Mechanic.

Joseph Richard Rogers, Jr., "Joe," Worcester.
Mechanic; Swimming "sWt" (1, 2, 3); Class Swimming (1, 2, 3).

Edward Hasford Rouse, "Ed," Thomaston, Conn.
Electric; A. I. E. E.

Carl Eric Rylander, "Rye," Worcester.
ΘΥΩ; Civil; Football (1, 2, 3); Ass't Manager, Basketball (3); Knights of the Road; A. S. C. E.; Ass't Art Editor, PEDDLER (3).

Carl Francis Sage, "Red," Fairfield, Conn.
ΣAE; Mechanic; Swimming (1, 2); Peddler Board; Aero Club; Junior Marshall; A. S. M. E.

Charles Hastings Schiller, "Karl," Worcester.
ΘΥΩ; Mechanic; Band (1a); Glee Club; Class Track.

Arthur Jacob Sharistanian, Worcester.
Civil.

Wesley Allen Sheldon, "Wes," Ashburnham.
ΦΣK; Mechanic.

Joseph Martin Silva, "Joe," Rehobeth.
Chemist.

Ellman Rogers Smith, East Walpole.
Mechanic.

Emil Saarinen Smith, Amherst.
Mechanic.

George Wardwell Smith, "Smitty," Bridgeport, Conn.
ΘΥΩ Electric; Orchestra (2a, 2b).

Michael Charles Sodano, "Mike," Canton.
ΦΣK; Electric; Swimming; Football (2a, 3a); Track "W" (2b); Glee Club; Knights of the Road, President (3a); Class Football (1, 2); Class Swimming (1, 2); Class Bowling (2).

Herbert A. Stewart, Worcester.
Mechanic.

George Whitmore Stratton, Framingham.
ΛXA; Mechanic.

Hurant Tashjian, Northbridge.
Mechanic; Cosmopolitan Club; A. S. M. E.

Robert Davis Taylor, "Bob," Spencer.
ΘΥΩ; Electric; Baseball (2); Football (2); A. I. E. E.

Henry Horace Terry, "Terry," Orient, Long Island. N. Y.
ΘΥΩ; Mechanic; Rope-Pull (1, 2).

Alvin Ernest Thrower, "Skinny," Gardner.
ΣAE; Mechanic; A. S. M. E.; Football (1, 2).

Oscar William Tissari, "Shorty," Baldwinsville.
ΘX; Chemist; Ass't Manager Track; Glee Club; Radio Club; Skeptical Chymists; Tech Carnival Committee; Class Soccer (2).

Almon Francis Townsend, Jr., "Franny," Worcester.
ΦΓΔ ΤΒΠ; Mechanic; Track (1b, 2a, 2b, 3a, 3b); Swimming (1); Ass't Manager, Football; Knights of the Road; Class President (2b); Vice-President (1a, 1b); Alternate Member-at-Large (3a); Rope-Pull; Class Track; Banquet Committee (1a); Junior Prom Committee; Junior Marshall.

Prescott Kingsbury Turner, Westboro.
ΘΥΩ; Electric.

Frederick Curtis Tucker, "Curt," Worcester.
ΦΓΔ; Chemist; Subscription Manager, *Tech News* (3a); Masque, Cast (2b); Publicity Manager, Masque (3a, 3b); Jacket Committee (2b).

Joseph Paul Tulka, "Joe," Newark, N. J.
Chemist; Soccer (2, 3); Masque; Newman Club; Skeptical Chymists.

John Brown Tuthill, "Tut," Orient, Long Island, N. Y.
ΘΥΩ; Chemist; Rifle Team (2); Ass't Manager Baseball; Rope-Pull (1, 2).

Harry Nelson Tyler, Worcester.
ΣAE; Mechanic; Ass't Manager, Swimming; Junior Marshall.

Oliver Rawson Underhill, Jr., "Red," Worcester.
ΦΣK; Civil; Football (1a, 2a); Tech Council; A. S. C. E.; Class Football (1a, 2a).

Charles Buell Walker, "Charlie," Springfield.
ΦΣK; Mechanic; Soccer "aWf" (2, 3); Captain, Soccer (4); Basketball; Ass't Manager Tennis (3); Knights of the Road; Class Secretary (2a); Football (1); Tennis (1); Basketball (1, 2); Nominating Committee (3a).

Oliver Noah Walker, "Fat," Whitinsville.
ΣAE; Mechanic.

Allen Charles Weissinger, "Al," Worcester.
ATΩ; Mechanic; PEDDLER (3); Masque, Cast (1, 3); President, Masque (3); Class President (1a, 1b, 2a); Soph Hop Committee; Half Way Thru Banquet Committee.

Miner Forbes Wells, Wethersfield, Conn.
Electric; Camera Club; A. I. E. E.; Rope-Pull.

Irving Stone White, "Pete," Housatonic.
ΦΣK; Electric; Football Squad (1, 2); A. I. E. E.; PEDDLER Board (3); Rope-Pull (2); Ass't Manager, Musical Association (3).

Grayson Winterbottom Wilcox, "Gay," Hamden, Conn.
ΦΓΔ; Mechanic; Ass't Manager, Football; Junior Editor, *Tech News;* Glee Club; Treasurer, Y. M. C. A. (2).

Robert Schuyler Williamson, "Bob," Niagara Falls, N. Y.
ΣAE; Mechanic; Secretary, Musical Association; Glee Club; Band; Orchestra (1, 2, 3); A. S. M. E.; Class Vice-President (3); Soph Hop Committee; Junior Prom Committee.

Harold George Williamson, Ashland.
Electric.

Charles Everett Woodward, "Chick," Wethersfield, Conn.
AXA; Chemist; Track (2, 3); Rope-Pull (1, 2); Relay (3).

1931 vs. 1932

SOPHOMORES

CLASS OF 1932

SOPHOMORE CLASS OFFICERS

DONALD M. SMITH

FIRST SEMESTER

President, Donald M. Smith
Vice-President, James E. Leach
Secretary, Frank E. South
Treasurer, Swen G. Pulson
Historian, David Rice
Auditor, Roger C. Hager
Member-at-Large, Russell D. Purrington

JAMES E. LEACH

SECOND SEMESTER

President, Donald M. Smith
Vice-President, James E. Leach
Secretary, Frank E. South
Treasurer, George T. Barks
Historian, Robert G. Driscoll
Auditor, William H. Hinchliffe
Member-at-Large, Linn M. Lockwood

SOPHOMORE CLASS ROLL

William Edward Aiken, "Bill," Winthrop.
ΑΤΩ; Civil; Football "W" (1, 2); Glee Club; Captain Class Football (1, 2).

Nils Albert Anderson, "Al," 1 Gunnarson Rd., Worcester.
Electric; Rope Pull (2).

Earl Mortimer Andrew, "Andy," Auburn, R. I.
ΑΤΩ; Mechanic; Varsity Football (1a, 2a); Band; Boyntonians; Tech Carnival (2a).

Edgar Charles Ansaldi, "Salo," South Manchester, Conn.
Mechanic; Rope Pull (2a).

Eliezer Aronov, "Izzy," Palestine.
Civil.

William Edward Ashe, "Bill," 44 May Street, Worcester.
Mechanic; Newman Club; Rope Pull (1b).

William Walter Asp, "Bill," 108 Eastern Ave., Worcester.
ΑΤΩ; Electric; Football Varsity (1a, 2a); Basketball (1b, 2b); Baseball (1b); Athletic Council; Knights of the Road; Captain Class Football; Baseball; Basketball.

Emanuel Stylianos Athanasiades, "Athens," Rhodes Island, Aegean Sea.
Electric; Cosmopolitan Club; Knights of the Road.

Arthur Waldemar Backgren, 161 Vernon St., Worcester.
Civil; Glee Club (1, 2).

Carl William Backstrom, 171 King Philip Rd., Worcester.
Electric; Golf (1b, 2b).

Alwyn Edward Bailey, "Ed," "Al," 19 Dover Street, Worcester.
Chemist; Band (1, 2); Fencing Club (1a).

Wallace Nathan Bailey, "Wally," Shrewsbury.
ΘΧ; Electric; Glee Club (1); Band (1).

George Theodore Barks, "Ted," Northampton.
ΘΧ; Mechanic; Reporter *Tech News* (1b, 2a, 2b); Class Football (1a, 2a); Class Rifle Team (1a, 2a); Class Bowling (1a); Sophomore Hop Committee; Freshman Rules Committee.

Clement Richmond Barlow, "Clem," Ashburnham.
ΦΣΚ; Mechanic.

Robert William Barr, "Bob," Holden.
ΘΧ; Civil; Rifle Club (1, 2).

John Chaffee Barter, Shrewsbury.
ΦΓΔ; Mechanic.

Francis A. Bartlett, "Franny," Rowley.
ΑΤΩ; Chemist; Rifle Club (1); Rope Pull (1, 2).

Wells Fenby Bausman, "Bausy," "S t u b," Springfield.
ΣΑΕ; Mechanic; Asst. Mgr. Soccer (2a); *Tech News* (1a, 2b); Banjo-Mandolin Club; Masque (1b, 2b); Aero Club (2a).

Edwin Thomas Beaudette, 235 Hamilton Street, Worcester.
Electric.

Allen Beasley Belcher, Springfield.
ΛΧΑ; Mechanic; Track (1, 2).

Robert Ivan Belmont, "Bob," Middleboro.
ΘΥΩ; Mechanic; Boyntonians; Band; Aero Club.

Theodore Henry Berard, "Ted," 414 Park Avenue, Worcester.
Mechanic; Newman Club.

Fred Allen Bickford, Waltham.
ΛΧΑ; Chemist; Ass't Mgr. Football (2a).

Malcolm Rudolph Bloom, "Mal," Roslindale.
ΣΑΕ; Civil.

Herbert Franklin Borg, "Herb," 173 Eastern Ave., Worcester.
ΘΥΩ; Mechanic; Class Track (1a).

Arthur Burton Brainerd, "Burt," Nashua, N. H.
General Science; Rope-Pull (2a).

Walter J. Brosnan, "Walt," 16 Rittenhouse Rd., Worcester.
Mechanic.

Lenges Hawver Bull, "Duffy," Lenox.
ΑΤΩ; Civil; *Tech News* (2a, 2b); Ass't Editor, *Tech Bible* (1b); A. S. C. E.; Class Rifle (1a); Class Football (2a).

Robert Bumstead, "Bob," Washington, D. C.
ΦΓΔ; Mechanic; Glee Club (1).

Jason Theodore Burbank, Millbury.
Electric.

William Nathan Burr, Jr., "Bill," Seekonk.
Civil; Cross Country; Track.

Robert Fiske Bye, "Bob," 55 Hitchcock Rd., Worcester.
ΦΣΚ; Mechanic; Soccer (1a); Rope-Pull (2a).

Jorge N. Cardenas, Bogota, Columbia, S. A.
Civil; A. S. C. E.; Camera Club; Cosmopolitan Club.

Henry Edwin Carlson, "Henry," 79 Barnard Rd., Worcester.
ΘΥΩ; Mechanic; Class Football (2a); Soph Hop Committee (2b).

Dana Burbank Carleton, Portland, Maine.
Electric.

Joseph Chelauski, 38 Plantation St., Worcester.
Mechanic.

Theodore Stanley Chmura, "Ted," Chicopee Falls.
Mechanic.

Timothy David Crimmins, "Tim," Palmer.
Civil; Newman Club, Secretary.

William John Cullen, "Bill, Easthampton.
ΛΧΑ; Chemist; Varsity Basketball (1, 2); Class Basketball (1).

Morris Jean Dana, Millbury.
ΘΥΩ; Chemist.

Leonard Cunningham Daniels, "Len," "Dynamite," West Springfield.
ΦΣΚ; Chemist; Glee Club (1, 2); Skeptical Chymists; Varsity Soccer (2a); Class Soccer (1a, 2a).

John Winslow Davidson, "Jack," Brockton.
ΦΣΚ; Electric; Vice-President, A. I. E. E.; Varsity Football (1,2); Radio Club; Chairman Dormitory Committee (1); Carnival Committee (2).

Marcel Albert Emile Delys, "Al," Woonsocket, R. I.
Mechanic; Cross Country.

Arthur Deslauriers, "Del," Spencer.
Civil; Track (1a); Basketball (1b).

Edward Francis Donohue, "Ed," 190 June St., Worcester.

Jan Waclaw Dowgielewicz, "John," Spencer.
Mechanic; Class Football (1a, 2a); Rope-Pull (1a, 2a).

Roland Freedmont Downing, "Rolly," 171 Highland St., Worcester.
Mechanic; Varsity Basketball (1, 2, 3).

Robert Gerald Driscoll, "Red," Holyoke.
ΣΑΕ; Electric; Newman Club; Rope-Pull (2a); Varsity Swimming (1b, 2a).

Emile Raymond Dube, Nashua, N. H.
Chemist.

Earl Lincoln Dufresne, Shrewsbury.
ΛΧΑ; Civil; Class Soccer (1a, 2a); Class Baseball (1b).

Luther Rice Eames, 3 Rice St., Worcester.
Electric.

Charles Bickley Eddy, "Bick," Glens Falls, N. Y.
ΦΣΚ; Electric; Varsity Basketball (1); Junior Marshall; Class Auditor (2a, 2b).

William Lester Edgeworth, "Les," Webster.
ΦΣΚ; Civil; Varsity Football (1, 2); Varsity Swimming (1); Class Football (1, 2).

George Bliss Emerson, East Providence, R. I.
ΑΤΩ; Mechanic; Varsity Swimming (1b, 2b); Dormitory Committee (1a, 1b); Class Swimming (1b, 2a).

Carl Milton Ekberg, 20 Huntington Ave., Worcester.
ΦΣΚ; Civil; Football (1a, 2a).

Howard Russel Finn, "Red," Springfield, Vermont.
ΦΓΔ; Mechanic; Varsity Track (1b, 2a, 2b); Varsity Swimming (1a) PEDDLER (1).

Theodore Lyman Fish, "Ted," West Springfield.
Mechanic; A. S. M. E.; Camera Club.

Leland Harvey Fisler, North Attleboro.
Mechanic.

Edward Short Flaherty, "Skipper," 51 May St., Worcester.
Electric.

Gordon Bennett George, Westboro.
Electric.

David Goldrosen, "Dave," 69 Providence St., Worcester.
ΣΩΨ; Mechanic; Class Football (2a).

Everett Gordon, "Ev," 450 Park Ave., Worcester.
ΣΩΨ; Chemist.

Armando Edmund Greco, Watertown.
ΘΧ; Mechanic; *Tech News* (1, 2).

Earl Edwin Green, 107 Hillcroft Ave., Worcester.
ΛΧΑ; Electric; Glee Club (2).

Louis Darwin Greene, "Lou," West Springfield.
ΦΣΚ; Civil; Member-at-Large (1a, 1b); Rope-Pull (2a); Band (1a, 1b, 2a); *Tech News* (1a, 1b, 2a, 2b); PEDDLER (1, 2); Class Football (2a).

John Walcott Greene, "Johnny," 28 Clearview Ave., Worcester.
General Science.

Roger Chapin Hager, "Rog," Clinton.
ΑΤΩ; Mechanic; Class Auditor (1a, 1b, 2a); Basketball (1, 2).

Lloyd Russel Hale, 42 Agate Ave., Worcester.
Civil.

Sumner Fitts Hall, Webster.
Civil; Glee Club (1, 2); Boyntonians (1).

William Ellum Hanson, Norwich, Conn.
Chemist; Glee Club (1, 2); Skeptical Chymists.

Edwin Vaughn Haskell, Still River.
Chemist; Rifle Team; Swimming (2a).

Herman Francis Hawthorne, Springfield.
Civil; Class Rifle (1b); Knights of the Road; Camera Club; Fencing Club (1, 2); A. S. C. E.

Benjamin Lopez Herrarte. "Ben," Guatemala.
Mechanic; Soccer (2a); Cosmopolitan Club.

William Huntington Hinchliffe, "Bill," Orange, Conn.
ΦΓΔ; Electric; Glee Club; Rope-Pull.

Ernest Milton Holt, "Erny," New Bedford.
ΑΤΩ; Chemist; Rifle Team (1a, 1b); Track Team (2a).

Lambert Roland Johnson, "Lamby," 40 Airlie St., Worcester.
Civil.

Paul Johnson, 34 Hadwen Rd., Worcester.
Civil.

Elliot Day Jones, "Ell," 7 Lisbon St., Worcester.
ΘΨΩ; Mechanic; Swimming (1b, 2a, 2b); *Tech News*, Reporter (2a, 2b).

Ambrose Kennedy, "Am," Woonsocket, R. I.
Mechanic; Glee Club (1, 2).

Clarence Stanley Knight, "Stan," Southbridge.
Mechanic.

Bertrand Roland Lanciault, "Bert," 5 Fremont St., Worcester.
ΣAE; Mechanic; Baseball (1b); Football (2a).

Rocco LaPenta, "Roccy," East Hartford, Conn.
Civil; Varsity Football (1a, 2a); Newman Club.

Carl Hilding Larson, Holden.
Electric; Basketball (1b, 2b); Football (2a).

James Edward Leach, "Jim," Gardner.
ΘX; Civil; Football "W" (2a); Class Vice-President (2a, b); Basketball (1, 2).

Robert George Leary, 41 Mill St., Worcester.
Mechanic.

Chock H. Lee, Canton, China.
Electric.

Howard Parker Lekberg, "Lek," Millbury.
ΛXA; Mechanic.

Eino Omar Leppanen, "Lepp," Ashburnham.
ΛXA; Chemist; Soccer (2a); Rope-Pull (1a, 2a).

Lester Nelson Lintner, Torrington, Conn.
Mechanic.

Linn Musson Lockwood, "Locky," Woodmont, Conn.
ATΩ; Mechanic; Football (2b); Track (1a); Knights of the Road; Aero Club; Class Treasurer (1a, 1b).

Harold Fred Lorenz, Meriden, Conn.
Electric.

Raymond Henry Lynch, "Ray," 15 Hitchcock Rd., Worcester.
Civil; Newman Club; A. S. C. E.

Antonio Placido Maggiacomo, "Jock," Cranston, R. I.
Electric; Football "W" (2a); Class Football (1a).

Donald James McGee, "Maggy," Springfield.
Electric.

Charles Thomas McGinnis, "Mac," 85 Salisbury St., Worcester.
ΘX; Civil; Football (2a); Newman Club; Goats Head Committee (1a, 1b); Class Track (1a, 2a).

Robert William McMaster, "Bob," Southbridge.
ΦΣK; Mechanic; Carnival (1); *Tech News* (1, 2).

Richard Henry Martin, "Dick," 49 East Mountain St., Worcester.
Civil.

Harry George Merrill, "Chub," West Boylston.
Electric.

William Justin Minnick, "Bill," Auburn.
Chemist; Rope-Pull (1a, 2a).

Carroll Charles Misener, Orange.
Mechanic; Band (1, 2); Glee Club (2).

Norman Monks, "Norm," 15 Hitchcock Rd., Worcester.
Civil; Soccer (1); Aero Club.

William Moody, Jr., "Bill," 159 Holden St., Worcester.
ΣAE; Mechanic.

James Stewart Nelson, "Jim," Holden.
ΦΓΔ; Mechanic; Soccer (2a); Rope-Pull (1a); Fencing Club (1a, 1b); Class Soccer (2a).

Paul Edwin Nelson, Barnet, Vermont.
ΛXA; Civil; A. S. C. E.; Rope-Pull (1a, 2a).

Charles Henry Newsome, 361 Cambridge St., Worcester.
Chemist.

Raymond Edwin Nichols, "Nick," Lyonsville.
Electric; Camera Club (1, 2).

John Nizamoff, "Johnny," No. Grosvenordale, Conn.
Chemist; Glee Club (1, 2); Skeptical Chymists; Cosmopolitan Club.

Olof Wendell Nyquist, "Nick," 5 Dybeck St., Worcester.
ΛXA; Mechanic; Indoor Track (1b); A. S. M. E.; Captain Sophomore Rope-Pull; Class Football (2a).

Charles Stephen O'Brien, Jr., "Chick," Springfield.
ΣAE; Mechanic; Class Secretary (1b).

Howard Arnout Offers, "Dutchy," Woonsocket, R. I.
ΘX; Mechanic.

Paul Rudolph Olson, "Rudy," Auburn.
ΛXA; Electric.

George Evald Oman, "Joe" South Windham, Conn.
ΣAE; Mechanic; A. S. M. E.; Rope-Pull (2).

John Charles Osipowich, "Ossie," 18½ Columbia St., Worcester.
ΣAE; Mechanic; Varsity Swimming (1, 2).

Felix George Palaski, 581 Millbury St., Worcester.
Civil; Track (1a, 1b, 2a); A. S. C. E.

Chester Lawrence Perry, "Chet," Dodge.
ΣAE; Civil.

Leonard Henry Peters, "Pete," Lenox.
ΦΣΚ; Civil; Swimming (1, 2); *Tech News* (1b, 2a, 2b); Class Swimming (1, 2); Rope-Pull (2).

Arthur Clifford Peterson, "Pete," 96 Brookline Ave., Worcester.
ΦΣΚ; Civil; Football (1, 2); Track (1, 2); Basketball (1).

Onnie Mathias Petroman, Norwich, Conn.
Mechanic.

Irwin Walburg Peterson, "Pete," 3 Wilkinson St., Worcester.
ΦΣΚ; Electric; Golf (1b); *Tech News* (1a, 1b, 2a).

George Washington Pickering, 3rd., "Bugs," Beverly.
ΦΓΔ; Electric.

Edwin Leroy Pollard, "Ned," Northampton.
ΘΧ; Civil; Rifle Team (2a); Bowling (1b).

Rupert Dickson Porter, "Dick," West Hartford, Conn.
ΣΑΕ; Electric; Hockey (1b, 2b); Class Soccer (2a); Rope-Pull (2a).

John Horton Porteus, "Jack," Three Rivers.
ΦΓΔ; Civil; *Tech News* (1b, 2a); Glee Club (2a); Cosmopolitan Club (1b); Vice-President, Cosmopolitan Club (2a); Rope-Pull (2a).

Henry Blanchard Pratt, Jr., "Rudy," Antrim, N. H.
ΘΧ; Civil; Rifle Team (2a, 2b); A. S. C. E.; Class Rifle Team (1a, 2a); Rope-Pull (2a).

Swen Gilbert Pulson, Philadelphia, Pa.
ΑΤΩ; Mechanic; Business Manager, *Tech Bible* (1a); Class Treasurer (2a).

Russell Donclson Purrington, "Russ," Shattuckville.
ΦΣΚ; Mechanic; Varsity Basketball (1, 2); Member-at-Large (2a).

Donald Wallace Putnam, "Don," 942 Millbury St., Worcester.
ΛΧΑ; Mechanic; Varsity Football (1a, 2a); Varsity Baseball (1b).

William Dickinson Ravenscroft, Bantam, Conn.
ΑΤΩ; Civil.

William Francis Reardon, "Bill," 33 Granite St., Worcester.
Civil.

Charles S. Reasby, Mt. Hermon.
Mechanic.

David Rice, "Dave," Gardner.
ΘΧ; Civil; Track (1b); *Tech News* Reporter (2a, 2b); Rope-Pull (2a); Class Track (1a, 2a); Historian (2a); Class Football (1a, 2a); Dormitory Committee (1a, 1b).

William Charles Salmon, "Bill," 205 West Boylston St., Worcester.
Civil.

Lawrence Joseph Sarkozy, "Sock," Torrington, Conn.
Mechanic; Football (1a, 2a).

Nicholas Straty Sculos, "Nick," Framingham.
Electric.

Otto Louis Seelert, Jr., "Bud," South Manchester, Conn.
ΘΨΩ; Civil; Basketball (1a).

George Morton Siegel, Springfield.
Electric; Rope-Pull (1a); Carnival (2a); Chairman Nominating Committee (2a).

Gordon Eggleston Signor, "Sig," Waterbury, Conn.
ΣΑΕ; Electric; Banjo-Mandolin Club (1, 2).

William Sinclair, Jr., "Bill," Rumford, Maine.
ΦΓΔ; Electric; Rope-Pull (1, 2); Soccer (2a).

Leon D. Skuropat, "Leo," Krasnodar, Russia.
ΦΓΔ; Electric; Soccer (2a); President Cosmopolitan Club.

Donald Mark Smith, "Don," Waban.
ΑΤΩ; Chemist; Cross Country "W" (1a); Indoor Track (1a); Football (2a); Reporter *Tech News;* President Class (2a, b); Tech Council (2a).

William Arthur Snell, Southbridge.
Chemist.

Eugene Wilbur Somerville, "Somie," Clinton.
Electric; Rope-Pull (2a).

Frank Ernest South, "Sonny," Braintree.
ΦΓΔ; Electric; Track "W" (1a, 1b, 2a); Captain, Class Track, Class Football.

Ellis Russell Spaulding, "Spauldy," Keene, N. H.
Mechanic.

Francis Michael Sullivan, "Sully," Springfield.
Chemist; Track (2); Band (1, 2); Newman Club; Rope-Pull (2a).

Stanley William Swipp, 1 Clapp St., Worcester.
ΘΧ; Mechanic; Football (2a); Captain Sophomore Football.

DOWN WITH THE FLAG!

Bernard Buck Taylor, "Bun," Portland, Conn.
ΘX; Mechanic; Swimming Team (1, 2); Class Swimming (1, 2).

Sidney Thune, "Sid," Norwich, Conn.
Chemist.

Uuno Ensio Tillan, "Tilly," Springfield.
Civil; Soccer (2a).

Frederick Curtis Tucker, "Curt," 25 Hawley St., Worcester.
ΦΓΔ; Chemist.

Joseph Turner, "Joe," 27 Lenox St., Worcester.
Civil.

Edwin Charles Tuukkanen, "Ed," 221 Grove St., Worcester.
Chemist.

Chester Adolph Werme, "Chet," 17 Wyola Drive, Worcester.
ΘX; Mechanic; Football (2a); Swimming (1b); Goats Head Committee (1b); Track (2b).

Carroll Newton Whitaker, "Newt," Springfield, Mass.
ΦΣK; Electric.

Frederick Fuller Whitford, "Fred," "Plug," Hawthorne, N. J.
ATΩ; Electric; Glee Club (1, 2); Masque (2); Class President (1a, 1b); Tech Council (1a, 1h); Chairman Sophomore Hop Committee; Captain Rope-Pull (1a); Tech Carnival.

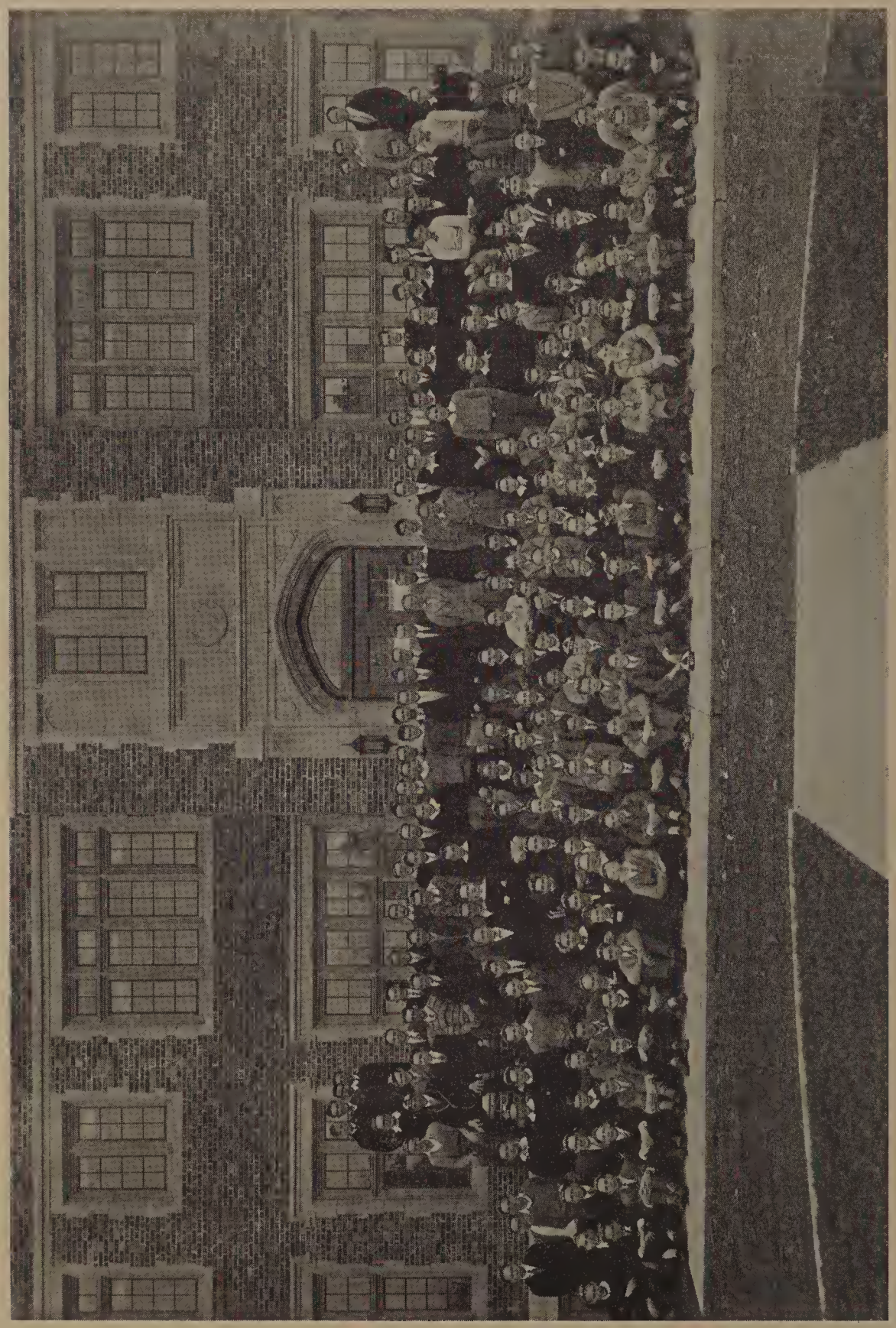
Payson Rogers Whitney, "Pay," 39 Laconia St., Worcester.
ΘX; Mechanic; A. S. M. E.; Goats Head Committee (1, 2).

Cary Chase Wilson, Claremont, N. H.
ATΩ; Chemist; Soccer (1a, 2a); Tennis (1a); Dormitory Committee (1a, 1b); Masque (2).

Clelan Gleason Winn, "Windy," East Pepperell.
Mechanic; Aero Club.

1931 VS. 1932

FRESHMEN



CLASS OF 1933

FRESHMAN CLASS OFFICERS

LEIGHTON JACKSON

FIRST SEMESTER

President, LEIGHTON JACKSON
Vice-President, JOHN T. KANE
Secretary, HAROLD A. HAMMER
Treasurer, JAMES R. DRISCOLL
Historian, JOHN E. CHURCH
Auditor, WRIGHT H. MANVEL

HAROLD A. HAMMER

SECOND SEMESTER

President, HAROLD A. HAMMER
Vice-President, WRIGHT H. MANVEL
Secretary, GILBERT U. GUSTAFSON
Treasurer, JAMES R. DRISCOLL
Historian, JOHN E. CHURCH
Auditor, JOSEPH H. FOGG

FRESHMAN CLASS ROLL

Charles Streeter Adams, Worcester.

Melvin George Adams, Worcester.

Edward Knight Allen, Jr., Springfield.
ΦΣΚ; Soccer; Tech Carnival.

Ralph Herman Allen, Worcester.
ΦΓΔ.

Arthur Olaf Anderson, Worcester.

William Arthur Anderson, Manchester, N. H.
ΑΤΩ.

William Henry Anderson, Hubbardston.

Henry Coombs Ashley, East Longmeadow.
Aero Club.

Frederick Ransom Asserson, Newport, R. I.
ΦΣΚ;; Football; Swimming.

George William Banks, North Brookfield.

Gordon Ellis Barnes, Hardwick.
ΘΧ.

Earl Chester Barton, Springfield.
ΦΣΚ; Track.

Waldo Edgar Bass, Willimantic, Conn.
ΦΣΚ; Aero Club; Rope-Pull.

Ethan Davis Bassett, Groton, N. Y.
ΘΧ.

Albert Orlin Bell, Leominster.
ΘΧ; Class Football; Rope-Pull.

Wesley Oliver Bell, Worcester.
ΘΥΩ; Cross Country.

John Alden Birch, Branford, Conn.
Radio Club; Rifle Club.

Robert Wadleigh Blake, Franklin, N. H.
ΘΧ.

Hugo Paul Borgatti, East Pepperell.

John Anselm Boyle, Worcester.

Charles Stanley Brewer, Worcester.
ΦΣΚ.

Ellis Robert Brown, Ashland.

Allen Lester Brownlee, So. Willington, Conn.
ΛΧΑ; Band; Glee Club; Aero Club.

Ronald Herman Bruce, Hudson.
ΘΧ.

Vincent Fieber Buell, Mount Berry, Ga.
ΦΣΚ; Cross Country; Track; Band.

William Farnum Bunting, Pelham, N. Y.
ΣΑΕ.

Harold Davis Burt, North Attleboro.
Band.

Leo Burwick, Worcester.
ΣΩΨ; Band; Aero Club.

William James Chapman, Westfield.
ΑΤΩ; Newman Club.

Emile Joseph Chauvin, Webster.
Cosmopolitan Club; Rifle Club.

John Everett Church, Providence, R. I.
ΦΓΔ; Glee Club; Debating Club; Class Historian, (1a); Dormitory Committee.

William Henry Clancey, Jr., Worcester.

Edward Clark, West Fitchburg.

Harry Francis Clarke, Millville.
Banjo Club; Newman Club.

Richard Russell Clarke, Brimfield.

Robert Norman Clark, West Hartford, Conn.
ΦΓΔ.

Edward Gerard Conway, Providence, R. I.
ΣΑΕ.

Umbert Francis Corsini, Worcester.
ΣΑΕ.

Lloyd Eager Crane, Worcester.
ΘΥΩ; Band.

Raymond Bartlett Crawford, Oakham.

Harold Brooks Cross, North Grafton.

Arthur L. Crosscup, Wilton, N. H.

Guy Austin Cummings, Jr., Ware.
ΑΤΩ.

Herbert Mason Curtiss, West Haven, Conn.
ΣΑΕ.

Herbert Warren Daniels, Jr., Woodstock, Vt.

George Davagian, Millbury.

Thomas Emerson Decker, Worcester.
ΦΣΚ; Basketball; Class Basketball.

Ira William Dickey, Caryville.

Arthur Herbert Dixon, West Springfield.
ΛΧΑ; Rifle Club.

Frank Fairfield Dodge, Norwich, Conn.
ΘΥΩ; Glee Club.

Herman William Domblatt, Worcester.

Cornelius Joseph Doyle, Worcester.

Donald Mexworth Drake, Uxbridge.
Tech Carnival.

William Francis Drake, Framingham.
Football; Track; Masque; Newman Club.

James Roy Driscoll, Holyoke.
ΣΑΕ; Football; Basketball "bWb"; Newman Club; Class Treasurer (1a, b).

Robert Frederick Dunton, Sheffield, Vt.

John Joseph Dwyer, Worcester.

Frank Leighton Eaton, Jr., Worcester.

Albert Hackett Ensor, Brockton.
ΘΧ.

George Gustaf Erikson, Worcester.

Kenneth Marshall Farnsworth, Worcester.
ΘX.

Robert E. Ferguson, Worcester.
ΣAE; Class Track.

Daniel Smith Fiske, Jr., Grafton.

Stanley Milton Fiske, Northboro.

Joseph Howe Fogg, Northampton.
ΦΓΔ; *Tech News* Reporter; Dormitory Committee; Auditor (1a).

Ernest Webster Foster, West Boxford.

David Charles Fram, Worcester.

Alden Holt Fuller, Hampton, Conn.
ΛXA; Glee Club.

Robert William Fulton, Manchester, N. H.

Louis Julius Furman, Worcester.
Class Football; Rope-Pull; Tech Carnival; Knights of the Road.

Irving James Gartrell, Turners Falls.
ATΩ; Varsity Basketball "bWb"; Rope-Pull; Class Basketball; Dorm Committee.

Arthur Ellingwood Getz, Providence, R. I.
Boyntonians; Glee Club; Band.

Kenneth Edwards Gleason, Springfield.
ΦΣK; Glee Club; Boyntonians; Dormitory Committee.

Albert Bamford Glenn, Hopedale.

Arthur Edward Glow, East Pepperell.
Band; Aero Club.

Robert Thomas Goffin, Woods Hole.
Boyntonians.

Stanley Gorka, New Bedford.
Tech News Reporter; Debating Club; Cosmopolitan Club.

Simon Greenberg, Worcester.

Charles Frederick Griffin, Fitchburg.
Debating Club; Class Rifle Team.

Paul Garrison Guernsey, Glenbrook, Conn.
Tech News (1b).

Gilbert Urban Gustafson, W. Hartford, Conn.
ΦΣK; Tech Carnival; Class Secretary (1b).

Joseph Stanley Gula, Taunton.

Harold Axel Hammer, Wethersfield, Conn.
ΦΣK; Varsity Soccer "aWc"; Basketball "bWb"; Class Soccer; Class Secretary (1a); Class President (1b); Tech Council (1b).

John Schofield Hancock, Lawrence.
ΦΣK; Class Track.

George Wolcott Harding, Woodstock, Vt.

Sherman Edward Hardy, Worcester.
ΛXA.

Linval Dallas Harvey, Swansea.

Donald Wade Haskins, Chicopee.
ΛXA; Class Football.

Stephen Stockbridge Haynes, Southbridge.
Band; Aero Club.

John Alvar Henrickson, Holden.
Tech Carnival.

Louis Devoud Hillman, Worcester.

Mendel Holoff, Worcester.
ΣΩΨ; Aero Club.

Emerson Palmer Holter, Worcester.
ΘΥΩ; Masque (1b); Tech Carnival; Radio Club; Class Track.

Robert Davis Hunter, South Sudbudy.
ΛΧΑ.

Philip Cornelius Hurley, Gardner.
Varsity Soccer; Class Soccer.

David Clinton Hyde, Milford, Conn.
ΦΓΔ; Boyntonians.

Thomas A. Hyde, Jr., Woodmont, Conn.
ΦΓΔ; Rope-Pull, Captain (1a); Class Football.

Leighton Jackson, Worcester.
ΦΓΔ; Glee Club Quartet; Tech Council (1a); Class President (1a).

Harry Thomas Jensen, Milford, Conn.
ΣΑΕ; Newman Club; Class Track; Basketball, Second Team; Rope-Pull.

Carl Ludwig Johnson, Millbury.
ΘΥΩ.

Carroll McKenzie Johnson, Antrim, N. H.
ΦΧ; Glee Club.

Edwin Ludwig Johnson, W. Hartford, Conn.
ΦΣΚ.

Russell Wilbur Johnson, Worcester.

Asher Langdon Joslin, Webster.
Band.

Aram Kalenian, Westboro.

John Thomas Kane, Indian Orchard.
ΦΓΔ; Varsity Football "W"; Newman Club; Class Vice-President (1a).

Anthony Kapinos, Chicopee Falls.
Band.

Donald Allen Kayer, Worcester.
ΣΑΕ; Tech Carnival.

Frank Herbert Kean, Jr., Woburn.
ΦΣΚ; Tech Carnival; Rifle Club.

John Carol Keefe, Jr., Northampton.
ΘΧ.

Raymond Thomas Kelley, West Medway.

James Francis Kennedy, Woonsocket, R. I.

Ligor Pandi Kerxhalli, Pograda, Albania.
Track.

Arthur Rodney Klebart, Webster.
ΦΣΚ; Fencing Club.

Leo Alfred Lajoie, Worcester.

Albert Laliberte, East Brookfield.

Harold Arthur Lamlein, Clinton.

Frank Alfred Larson, Boston.
ΛΧΑ.

Harvey Francis Lorenzen, Manchester, N. H.
ΦΓΔ.

George Wentworth Lyman, Worcester.
ΛΧΑ; Second Team Basketball; Class Track.

Albert Joseph Magee, Auburn.
Newman Club.

John Edward Magee, Auburn.
Newman Club.

1929 FIGHT

John S. Maloney, Worcester.

Raymond Thomas Malley, Terryville, Conn.

Wright Hopkins Manvel, Pittsfield.
ΦΓΔ; Varsity Rifle Team; Glee Club; Debating Club; Class Auditor (1a); Class Vice-President (1b).

Richard May, Needham.
ΑΤΩ.

Charles Estes McMullin, Leicester.

Weldon Murray McFarlane, St. John, N. B.
Aero Club, Rope-Pull.

Thomas Francis McLoughlin, Meriden, Conn.
Tech Carnival; Camera Club.

Fred William Menold, Jr., Milford, Conn.
ΦΓΔ.

Richard Todd Merrell, Agawam.
ΦΣΚ; Basketball, Second Team.

Albert Friedrich Miller, East Hartford, Conn

John Joseph Molloy, Jr., Hartford, Conn.
ΑΤΩ; Baseball.

Francis Cochran Moore, Amherst.
Rope-Pull.

Robert Gale Munson, Wilmington, Del.
ΣΑΕ; Class Soccer.

Bradford Newell, Holden.
ΘΧ.

Fred Furst Nichols, Woods Hole.

George William Nicoletti, Worcester.
ΘΥΩ; Knights of the Road.

Sumner Annis Norton, Terryville, Conn.
ΦΣΚ.

Smith Hempston Oliver, Washington, D. C.

Chester Irving Freeman Olson, Worcester.
ΣΑΕ; Class Soccer.

John Jacobs Osborn, Lancaster.
Band.

Jesse Rideout Osborn, Blackstone.

Emil Charles Ostlund, Brockton.
ΑΤΩ; Band; Dormitory Committee; Class Soccer.

Erick Eino Palin, Worcester.

Alfred Gaunt Parker, Maplewood, N. J.
ΦΓΔ; Masque; Camera Club; Rifle Club; Knights of the Road.

William Taylor Payne, Woodstock, Vt.
ΛΧΑ; Glee Club.

Harold Edward Perkins, Jr., Bridgewater Corners, Vt.
ΛΧΑ.

Walter Harvey Perreault, Worcester.
ΣΑΕ.

Robert Clifford Peterson, Worcester.
ΑΤΩ.

Arvo Elmer Pihl, Worcester.
ΑΤΩ; Football; Basketball "bWb."

Richard F. Porter, Westfield.
ΑΤΩ.

Frederick Milton Potter, Seymour, Conn.
ΘΥΩ.

Arnold V. Poulsen, West Hartford, Conn.
ΘΥΩ; *Tech News*; Tech Carnival; Class Soccer.

John Carter Powers, Bolton.

Milton Edwin Prescott, Worcester.
ΛΧΑ.

James Brent Rafter, Worcester.

Wesley Bradford Reed, Everett.
ΘX; Glee Club; Rifle Club; Dormitory Committee.

Howard C. Reinhard, Glenbrook, Conn.
ΣAE.

John William Rigney, Meriden, Conn.
Camera Club; Newman Club.

Walter George Ritcey, West Newton.
ΦΣK; Rifle Team.

Franklin Ballou Roberts, Chicopee.
ΛXA.

Harold William Ross, Spencer.

Warren Clough Saltmarsh, Suncook, N. H.
ATΩ.

Palmerino Anthony Scalzi, Hopedale.
Newman Club.

John George Schatz, Greenfield.
Rope-Pull; Fencing Club.

Edward Parker Schirmer, Newton Centre.
ΦΓΔ; Radio Club; Camera Club; Rope-Pull.

Milton Maxwell Schultz, Worcester.
Football; Boyntonians; Band; Class Football.

John Carl Ludwig Shabeck, Jr., Edgewood, R. I.
ATΩ.

Gordon Adams Shaw, Milford.

Carl George Silverberg, East Brookfield.

George Hartwell Skelton, Bedford.

William Addington Slagle, Jr., Stamford, Conn.
ΛXA; Glee Club.

Arthur Edward Smith, Worcester.
ΘΥΩ.

Charles Leroy Smith, Meriden, Conn.
ΛXA.

John Smith, Worcester.
ATΩ; Basketball "W"; Class Basketball.

Chester Spielvogel, Clinton.

John Campbell Spence, Springfield.
ΦΓΔ; Class Football; Rope-Pull.

Maurice Bernard Steinberg, Framingham.

Clarence Redding Streeter, Jr., Worcester.

Sumner B. Sweetser, Worcester.
ΘX; *Tech News* Reporter.

Paul William Tappan, Danbury, Conn.

Eugene John Teir, Gardner.
ΘX.

Richard Leland Terry, Milford, Conn.

John Richard Tinker, Nashua, N. H.
ATΩ; Swimming "sWt" (1, 2).

Philip Tripoli, Middletown, Conn.

Herman William Trulson, Worcester.
ΘX.

Walter Warren Tuthill, Orient, N. Y.
ΘΥΩ; Camera Club.

Ernest O. Ungerer, Uncasville, Conn.
ΦΣK.

Jeremiah Hamilton Vail, Orient, N. Y.
ΘΥΩ; Glee Club; Rifle Club; Rope-Pull.

Joseph Simon Virostek, East Douglas.

Ralph Johnson Voigt, Easthampton.
ΦΣK; Class Soccer; Rope-Pull.

Arthur Marian Wheeler, Lounsberry, N. Y.
ΘX.

George Edward Wheeler, Framingham.
ΛXA.

Robert Higgins Wheeler, Worcester.
ΦΓΔ; Fencing Club.

Albert Stephen White, Jr., Worcester.

Gordon Russell Whittum, Worcester.
ΣAE.

Merton Stanley Williams, Terryville, Conn.
ΘΥΩ; Debating Club.

Russell M. Williams, Andover.
ΘΥΩ.

Charles Wolk, Worcester.
ΣΩΨ.

Alton Bertram Wyman, Haverhill.
ΦΣK.

Arthur Stephen Yelle, Springfield.
ΣAE; Glee Club; Goat's Head Committee; Class Track; Class Soccer.

Stanley John Zielinski, Worcester.

ATHLETICS

ATHLETIC COUNCIL

1929-1930

STUDENT MEMBERS

Edward C. Milde, '30, *President*
A. Francis Townsend, '31, *Vice-President*
William W. Asp, '32, *Secretary*
Allan G. Hall, '31, *Treasurer*
E. Waldemar Carlson, '30

FACULTY MEMBERS

President Ralph Earle
Professor P. R. Carpenter
Professor A. J. Knight
Professor H. F. Taylor

ALUMNI MEMBERS

Mr. Alfred E. Rankin
Mr. Chester M. Inman

FOOTBALL

1929 FOOTBALL SEASON

CAPTAIN FINNEY

AS USUAL the majority of the football candidates came back to Boynton Hill a week early last September in order to prepare themselves for the coming season. These first few days, under the coaching of "Pete" Bigler, assisted by "Don" Bennett and "Andy" Wilkinson, were devoted to limbering up, the real work not beginning until the last of the upperclassmen had arrived. The candidates, numbering nearly eighty men, worked diligently and with eight regulars back on the gridiron, prospects for a successful season were good. A large number of Freshmen made their appearance and some promising material in this delegation was discovered.

Tech made its debut in the football world on October 5, meeting Arnold College on the Alumni field. When the game started it looked like a walkaway for Tech, as indeed, many expected it would be. Almost before the visiting team knew what was happening, two points were scored by Tech, when Ualumbo fumbled the snap from center, and a safety resulted when the Tech line came through and stopped him before he could do more than recover the ball. The second and last score of the game came when Putnam pushed the ball across the line for a touchdown after the team had brought it down from the thirty-yard line with some fine plays, made by Sodano and O'Grady, and aided by the linemen who always seemed able to open up the opposition.

On October 12, a week after its victory over Arnold, the Tech eleven journeyed to Hartford to meet the Trinity team, and, although the "Sons of Boynton" played a very creditable game, they returned with a 7 to 6 defeat. This was an unsuspected setback and contrary to all predictions. During the fray "Bill" Asp had to leave the game due to an injured knee and little did he realize that it was to keep him off the gridiron for the remainder of the season. He was sadly missed during the rest of the schedule for his line plunges were badly needed.

The following week the Engineers were the guests of Boston University and, as was expected, they received a setback. A heavy backfield aided the Boston team in its 39 to 6 victory over Tech's eleven with its comparatively light back-

MANAGER TOMPKINS

field. This was evident several times when B. U. ball-carriers broke through the line and could not be stopped by the opposing backfield. The defeated eleven's score came in the third quarter after Edgeworth and O'Grady had pushed the pigskin down to their opponents' five-yard line where it stayed only long enough for Edgeworth to receive and plunge through for a touchdown. Two of the six touchdowns for Boston University came via line plays, three as the result of forward passes, and one as the result of an intercepted pass. In this game instead of the usual fifteen minute periods, the play system was used, forty plays constituting a quarter.

A large team of Crimson-jerseyed huskies from M. A. C. invaded the Alumni Field on October 26, and after a two-hour battle won the football game with a score of 19 to 12. In the first and final periods the home team outplayed its visitors, but it was unable to overcome the lead. In this game the weakness of the defensive tactics of W. P. I. against forward passing was outstanding and an effort was made in the practice periods that followed to overcome this weakness. Fate seemed to oppose the Tech team for Putnam was forced to watch this contest from the sidelines because of injuries which kept him off the gridiron for the rest of the season, his services being keenly missed by the Tech eleven.

The football team suffered another defeat the following week at the hands of Norwich, the final count being 20 to 6. All but six of the points were gathered by the visitors as a result of Tech mis-cues or fumbles. This game was very unusual and the fans witnessed playing of all kinds, good, bad, and indifferent. In this game, Kane, a freshman who had been turning in some excellent work, was Tech's heavy ground gainer until he was forced from the game in the final period with injuries.

The worst defeat of the season was felt at the hands of Rhode Island State College when the two teams waged a one-sided battle on the Alumni Field on November 9. The Blue and White started hostilities immediately in the first quarter, taking the ball over the line for a touchdown after a few plays near the center of the field, and then a steady march down the gridiron. From this point on the Engineers were unable to stop the onslaught of the visitors, but they put up a game battle and at least showed the old fighting spirit. The great advantage which "Little Rhody" had lay in the speed of its backfield, especially Goff, who accounted for four of the six touchdowns.

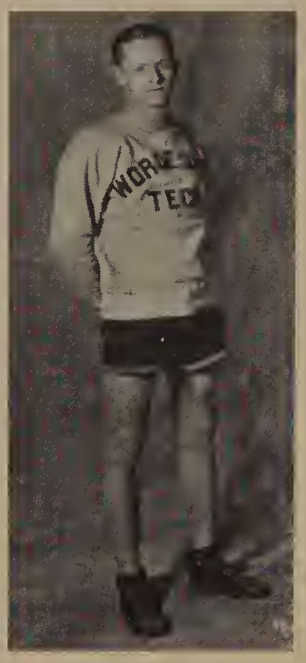
A determined band of twenty-two of Tech's remaining available football men departed at noon on November 15, for Troy to give R. P. I. a battle the following day. It was their last game and they were set on a win. The old-time battering-ram methods used by the Trojans were successful during the first half, during which they scored a touchdown and a successful extra point. This extra point resulting from the kick came to mean success for them. In the third period, however, the visitors, who felt that they had been held in submission long enough, retaliated with a series of passes and end runs, which finally netted Tech a touchdown, but the kick was unfortunately not successful, and although both teams uncorked many passes and plays of all kinds, neither could score and the game ended with W. P. I. 6, and R. P. I. 7.

This closed the season and although the Tech team lost the majority of its contests it deserves credit for the spirit and the hard work which it displayed throughout the season.

Graduation will cripple the team somewhat as three regulars, Finney, O'Grady, and Carlson, will be lost, but with the remaining veterans as a nucleus, a fighting team should be developed in 1930.

BASKETBALL

1929—BASKETBALL SEASON—1930



CAPTAIN GRAHAM

THE outlook for the season was not particularly bright at the time the candidates were called out. "Bob" Cotton's loss through graduation was severely felt; the failure of "Bill" Dennison, varsity guard to return to school, and the fact that "Bill" Graham's knee was still a doubtful quantity, all combined to make the prospects of a successful season anything but bright.

However, the Freshman class presented Tech with considerable help in the form of "Johnny" Smith, who understudied Captain Graham for a while, and, later in the season, performed brilliantly while teamed as a guard with "Bill" Asp who proved as dependable as ever. Gartrell, another Freshman, showed up well in his first year and should prove valuable next season.

The season opened on December 20 when we entertained Brown at Alumni Gym and the team went down to defeat by one point, 36-35, in a nip and tuck game that was a thriller throughout. The whole team showed up remarkably well and hopes for a successful season were raised a few points.

In the first game after the Christmas recess the team tackled the strong Brooklyn Centre branch of C. C. N. Y., and was defeated, 32-24, by a team that exhibited a bewildering fast passing attack. On the following Wednesday, the boys traveled to Boston to engage the Boston U. team. The team put up a desperate battle but Berry of the enemy had a field night and scored 23 of Boston's 34 points and we had to be content with the short end of a 34-31 score.

The team finally broke into the win column at the expense of Tech's old rivals, Clark, and did it with a vengeance to the tune of 39-11. Asp, Graham, and Downing, all took prominent parts in adding to the score while "Bill" Asp was outstanding on the defense. The good work was kept up the next week when, led by "Bill" Graham who topped the scorers with 19 points, the quintet sent a highly-touted team from Rhode Island State down to a 39-29 defeat.

The usual out-of-town jinx followed the team to Providence the next week, and, in a rather poorly played contest, Providence College emerged the victor, 33-18, In-

MANAGER WRIGHT

ability to sink easy shots cost the team many points and with a little luck the score might have been far different. Another old jinx was met that Saturday night when M. A. C. sent the team down to a 33-27 defeat. It was a close and highly interesting game, the opponents only pulling away in the closing minutes of the battle. Only the wonderful work of "Bill" Asp as guard prevented the scoring of many more points by the Aggies.

Brooklyn Polytech next visited the Tech Gym and were sent home with a 37-30 defeat on their record. Tech ran up a big lead of 29-10 in the first half but Brooklyn came back strong and the Crimson needed every point scored in the first half before the welcome boom of the gun was heard.

The small Tufts gym proved too much of a handicap on the 12th of February and the team once again returned from a trip on the short end of the score—this time, 32-14. The Wesleyan game came in the middle of the fraternity rushing season and the members of the team were suffering from general lack of rest as they offered but little resistance to the invaders who won quite handily, 41-18.

On the 21st and 22nd Pratt and Norwich provided the entertainment and the team returned to its winning ways sending both of them away on the short end of the score. Pratt was defeated 21-18, while Norwich was taken into camp by a margin of 21 points, 39-18.

Clark visited Alumni Gym on the first of March and once again was defeated, this time 25-6. The first half was dull and uninteresting, being marked by extreme nervousness on the part of both teams. The half ended with Tech leading 8-5. A conference with "Pete' 'during the half improved the team mightily for they held Clark to one point during the second half while scoring nineteen themselves in chalking up their third straight victory.

Trinity College broke the string the next week and hung up their fifteenth straight victory on the home court. The game was close throughout as the score of 28-24 indicates and there was really little to chose between the two teams.

The season ended even more sensationally than it had begun. Arnold College provided the opposition and when the first half ended with Tech leading 14-7 it looked like an easy victory. But led by Davin the opponents came back strong and with about five seconds to play were leading by one point. Then "Bill" Asp uncorked a mighty heave from the middle of the floor—there was a hush for a moment and then a mighty roar as it slid through the basket and "Bill" Graham was presented with a victory in his last college basketball game.

With the passing of "Bill" Graham Tech loses one of the most brilliant basketball players ever seen in Worcester. Playing the entire season with his knee in a brace he nevertheless turned in one remarkable game after the other. During most of the season he led the city college players in the scoring race and ended in a tie with Driscoll of Holy Cross who played in four more games than did Bill.

1930 BASKETBALL TEAM

His shoes will be hard to fill for he has always been deadly on the offense and a bulwark of strength on the defense.

Although the loss of Graham will be severely felt next season, with the return of the other members of the team and with the possible addition of another Freshman star the outlook for a winning team is not so dull as might be thought at first. While Smith has been playing forward, he has had some practice at center and it will take some stiff opposition to oust him from the pivot position next year. "Smitty" displayed a fine brand of ball during the latter end of the season and should develop into a fine player.

"Bill" Asp will undoubtedly hold down one of the back corners on next year's team. Playing guard this year after a season of playing forward, he has shown enough stuff to merit the following statement given by one of the Worcester newspapers, "—and shows promise of developing into one of the finest backs that has ever played in Worcester."

Unless one of them drops out next year, there is going to be a merry fight between Walker and Gartrell for the other back court position. Both played good games this year but Walker's eye for the basket has given him the edge and he played in most of the last games of this season.

Filling the forward berths isn't going to be too easy for "Pete" but not because of the lack of material. With Cullen, Downing, Purrington, and Decker back,

there will be plenty of competition. The first three have all had two years of training on Tech teams and ought to come through in great style next year. While Decker has played but little this year, he has shown up well in the few games in which he has participated.

Undoubtedly, the new freshman class will bring forth at least one and probably two good players, thus assuring "Pete" of a larger basketball squad than he has carried for some years.

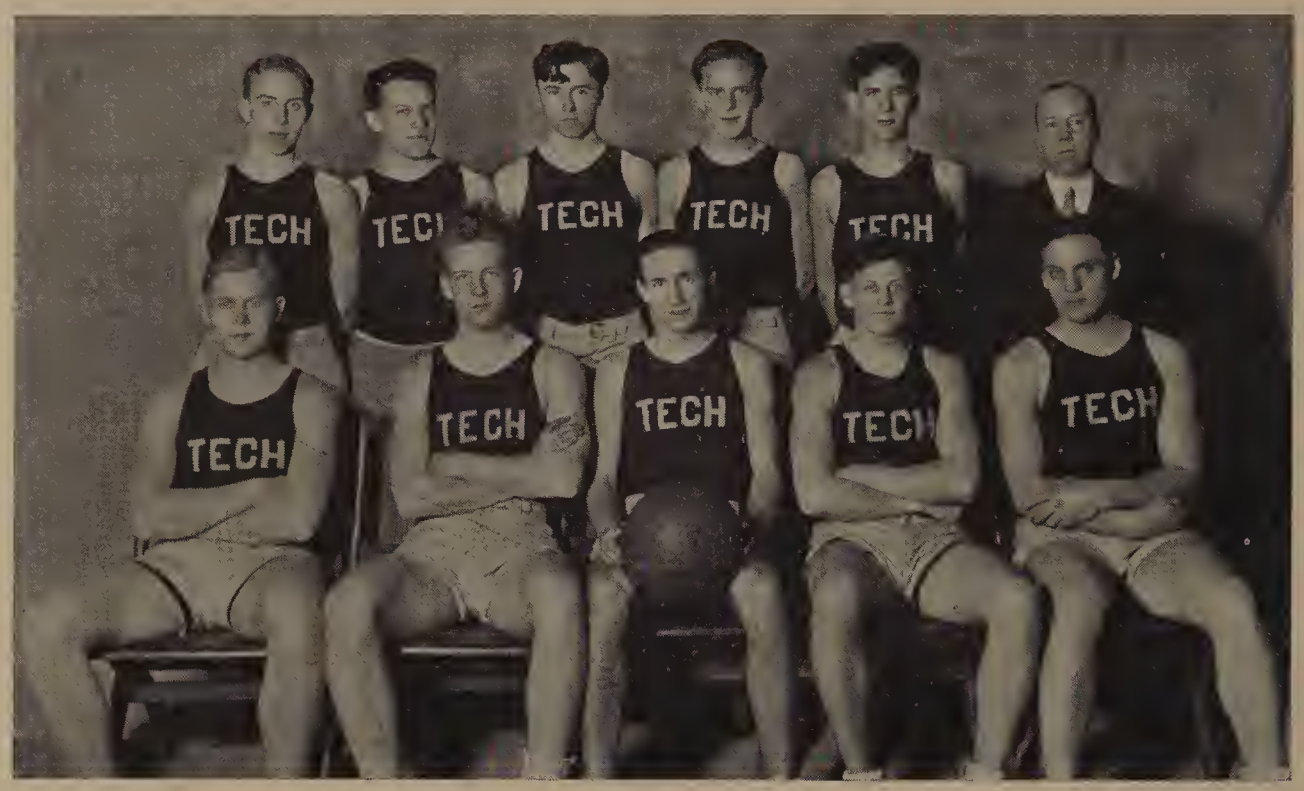
The schedule for next winter is the best one that Tech has had in some time, with several new opponents on the card, Middlebury, Amherst, and New Hampshire State having been added. After a lapse of two years, Springfield is to be met in a home game. The schedule follows:

Dec. 20, 1930	Middlebury at Tech.
Jan. 8, 1931	Brown at Brown.
Jan. 10, 1931	Clark at Tech.
Jan. 13, 1931	New Hampshire at New Hampshire.
Jan. 17, 1931	Trinity at Tech.
Jan. 20, 1931	Rhode Island at Rhode Island.
Jan. 24, 1931	Springfield at Tech.
Feb. 7, 1931	Amherst at Tech.
Feb. 11, 1931	Wesleyan at Wesleyan.
Feb. 14, 1931	Tufts at Tech.
Feb. 18, 1931	M. A. C. at Amherst.
Feb. 20, 1931	Boston University at Tech.
Feb. 23, 1931	Providence College at Tech.
Feb. 28, 1931	Clark at Commerce.
Mar. 7, 1931	Northeastern at Tech.

SECOND TEAM BASKETBALL

Two wins out of nine games is not a very impressive record, but considering the handicaps under which the second team is organized and drilled, the results are not surprising. Since the second team squad is used largely for the developing of potential candidates for the first team, the large number of substitutions that are made in their contests is bound to result in more defeats than might be the case if the winning of games was its sole object.

The season was opened by Commerce High of Worcester at the Alumni Gym, the Seconds losing by a score of 21-19. It was an exciting game throughout with the outcome in doubt right up to the final whistle. The Seconds' passing and floorwork showed much promise and, while the loss of the game was regretted, Coach Maxfield had reason to be satisfied with the showing made by his proteges.



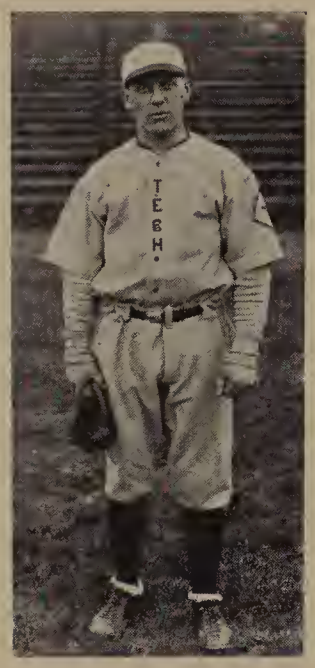
1930 SECONDS

While the Tech first team was playing Clark at Commerce the seconds engaged the All Saints five of this city and again lost by a small score. The first win of the season came the following week when Classical High of Worcester was defeated 21-16. Later in the season, however, Classical avenged this defeat by winning from the Seconds by a score of 23-12 in a game that was arranged to take the place of the Interscholastic Tournament Finals.

Among the outstanding players on the team were Captain "Eddie" Bayon, and "Tack" Hammer. "Eddie" could always be counted on for a hard fast game. Hammer was the high scorer of the season and shows promise of making the first team if he continues to play next year as he has during this season.

BASEBALL

1929 BASEBALL SEASON



CAPTAIN TAWTER

WHILE Tech's 1929 Baseball team came out on the short side of the score in point of games won since they dropped five out of nine, the fact that two of the wins were scored against Clark sufficed to even it up and made the season more of a success than it might otherwise have been.

The first game was scheduled with M. A. C. and was rained out. The second tilt was terminated in the sixth inning when rain again interfered. Norwich was on the top end of a 4-3 score when the umpire called a halt.

Tech won its first game at Hartford with Trinity, April 27, by a 2-1 score. "Robbie" Robinson pitched a fine game, allowing but four hits and two walks. The following week Northeastern was beaten by a 3-1 score. Putnam starred in this game, accepting nine chances in the field, made an unassisted double play and connected for a hit.

On May 4, the team journeyed to Kingston and was defeated 1-0 by Rhode Island State. This was a heart-breaking loss for "Robbie" who pitched a one-hit game, with the winning run being scored on an error.

Three days later Tech lost a hard-fought game to Boston University by a score of 7-4 at Alumni field. "Bill" Asp got two of Tech's four hits, one of them being a home run.

On Saturday, April 11, the team pounded out an unexpected victory over Clark to the tune of 10-4. Robinson pitched a wonderful game. For eight innings he pitched tight ball allowing but three hits, one of which was of the variety known as "scratchy," and fanning twelve men. Tech scored three runs in the second inning. After that the game was staid enough until the ninth inning when Tech let loose. "Bill" Asp started the trouble when he opened with a triple. Robinson, Horgan and Hansen singled. Putnam and Tawter got successive three-base hits. "Dan" Leamy singled and then "Bill" Asp got another triple. When the third man had been put out, eleven men had come to bat making eight hits and seven runs. "Robbie" eased up in the second half and let Clark have four runs which, while they put the Clark supporters in a frenzy, fell short of duplicating the first half of the inning. This victory

MANAGER BARNES

1930 TEAM

was doubly sweet since the Clark nine had an imposing record of wins and was favored by the Worcester papers to win.

In the next game, Tech suffered defeat at the hands of the New Hampshire University nine. The score was 13-2 with N. H. obtaining thirteen hits and Tech three. Neither "Robbie" nor "Bill" Graham could hold the "Wildcats." Tech's two runs came in the fourth inning with the aid of two hits, three errors and a sacrifice.

On May 25 Tech again upset the dope by turning back Clark 6-3. Captain "Dan" Leamy won the game and series with a triple in the sixth that put across two runs and put the game on ice. In the fourth form Clark scored two runs, and squeezed in another in the fifth. Tech got one run in the fourth and then started out in the sixth inning to make up for lost time. "Ted" Coe made first by being hit. Two outs folowed and then "Robbie" started a rally that won his game for him by singing sharply to left. Hansen made first on a weak roller, and "Bill" Asp singled, driving in the two tying runs. Then Leamy completed the stanza by tripling and later stealing home, thus accounting for Tech's remaining three runs. Tech scored nine hits to Clark's five.

The final game of the season was lost to M. A. C. to the tune of 5-6.

Robinson was the outstanding player of the team, pitching all of the winning games and most of the rest. Very few hits were gotten from him, while on the offensive he was one of the best hitters of the team, frequently hitting for extra bases. "Bill" Asp ended up with the reputation of being a heavy hitter, getting several home runs and a number of triples.

Prospects of a good season in 1930 are exceedingly bright if "Pete" Bigler can unearth at least one good hurler. Graham, Anderson and Purrington remain from last year's squad and should turn in some good pitching. However, with four games scheduled for one week they are going to have their hands full.

Captain Tawter is assured of his place at third, Coe, O'Grady, Putnam, Asp, and Lanciault also remain from last year's squad. They should form a nucleus upon which to build a team which will better last year's record.

The 1930 schedule:			Tech	Opp.
April	22	Norwich at Worcester	8	7
April	23	B. U. at Worcester	2	6
April	26	N. H. State at Worcester	8	4
April	30	Trinity at Worcester	8	7
May	3	Northeastern at Boston	5	4
May	7	Rhode Island at Worcester	4	6
May	10	Clark at Clark	12	0
May	17	M. A. C. at Amherst		
May	22	Arnold at Worcester		
May	24	Clark at Alumni Field		

Just as was anticipated the baseball team has come through and, as the "PEDDLER" goes to press it has won five and lost two. "Bill" Graham has pitched several beautiful games. In the Clark game he allowed but one scratch hit and struck out twelve. "Lefty" Anderson pitched and won the Norwich and Northeastern games.

Of the freshmen players on the squad "Jack" Kane has been the most outstanding one. In the B. U. game he accounted for two doubles and two singles in four times up.

Throughout all the games the team has shown plenty of smart baseball and should go through the rest of the season undefeated. On several occasions they have worked the double squeeze to perfection. With all the players coming through with hits in the pinches it appears that Tech has its best baseball team in many years.

COACH BIGLER

TRACK

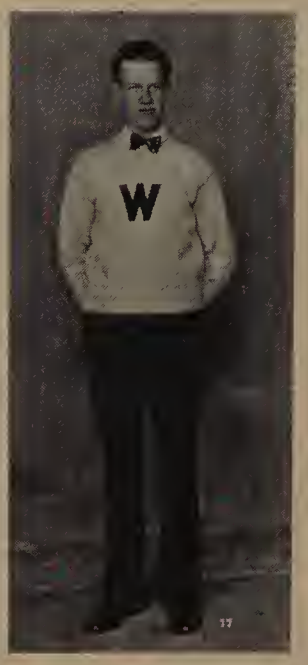
1929—TRACK SEASON—1930

CAPTAIN FRENCH

THE Spring Track season of 1929 resulted in two wins for Tech in dual meets and a third place in the Eastern Intercollegiates. Tech showed up much stronger in these meets than she has for some time as is shown by her overwhelming victories over Tufts and Mass. Aggies., and her strong bid for first place in the Eastern Intercollegiates. The team was fortunate in having "Ed" Milde back after a long layoff due to a strained ligament. Milde took first place in both dashes in the dual meets but strained his leg again so that he was unable to compete in the Easterns the following week. This weakened Tech considerably and his loss was keenly felt. "Walt" French lived up to his reputation by proving a constant winner in both hurdle events in the dual meets and by capturing them again in the Easterns.

The first meet was with Tufts and resulted in a decisive victory for Tech, 86 to 49. Tech won ten first places and placed three men in the 100 yard dash, Milde, South, and Stoughton, in that order. Worcester won all running events but the two mile while Tufts did better in some of the field events. Wayne Berry showed his endurance in the two mile when he came from behind after trailing three laps to win by a wide margin. "Ben" Rice led all in the quarter and won by a fraction over "Ken" Perry, his teammate. "Ed" Delano produced a burst of speed at the finish of the half mile to conclude Tech's running victories. John Prohovich was forced to take seconds in both the discus and the shot put but "Mike" Sodano won the javelin throw while "Husky" Davidson scored a second in the hammer throw.

The meet the next week was with M. A. C. and again Tech won by a wide margin, scoring 89 to 46. By winning eleven events and scoring seconds in the remaining four, Tech easily showed her superiority. Milde and French scored wins in their events as in the meet the week before. Captain Stoughton, who won the broad jump with a leap of twenty-one feet, took second to French in the low hurdles and trailed Milde and South in the 100, scored nine points all together. "Ken" Perry won the quarter in a close race with Hammond of M. A. C. as Rice trailed close. Wayne



MANAGER PARKER

DAVE KILEY

WALT FRENCH

EDDIE MILDE

Berry again won the mile in fast time but Snell of the Aggies took the half from Mace in a close finish. Tech took all points in the pole vault as well as most of the other field events.

The Eastern Intercollegiates were held on Alumni Field the following Saturday. Nine colleges besides Tech were represented, the final score showing Northeastern first and Tech third. The loss of Milde was felt but Tech did well in the running events in spite of this handicap but was weak in the field events. On the whole the season was one of the most successful Tech has had for several years.

This Spring, the team has dual meets arranged with Tufts, M. A. C., and B. U., and should have no difficulty in defeating them. If "Ed" Milde is back in his old form, we should gain at least third and possibly second in the Eastern Intercollegiates and should take a number of points in the New Englands.

1929 CROSS-COUNTRY SEASON

THE cross country season in the fall of 1929 was the most successful that Tech has had in this sport for some time and resulted in five victories and one defeat. This defeat was at the hands of the strong Northeastern team which won by a narrow margin. The victories were over a formidable group of colleges including Amherst, M. A. C., Brown, R. I. State, and R. P. I. In the last meet against Rensselaer, W. P. I. journeyed to Troy to defeat Tech's traditional rivals decisively.

The team was a well balanced one, but the one outstanding man was the diminutive Phil Pierce, captain. He finished first in every meet but the Northeastern, and in one race came within an ace of breaking the course record. At Troy in the R. P. I. meet he turned in the fastest time for the season for the Rensselaer course. "Bill" Burr finished second to Pierce in most of the races and was always in front of the pack. Mace and Hall were also among the leaders, although not as often as Pierce and Burr. Buell, Bell and George Pierce completed the remainder of the team and were continually working to strengthen it. Prospects, are bright for a strong team next year as none of the men will have graduated, except George Pierce.

1929—INDOOR TRACK SEASON—1930

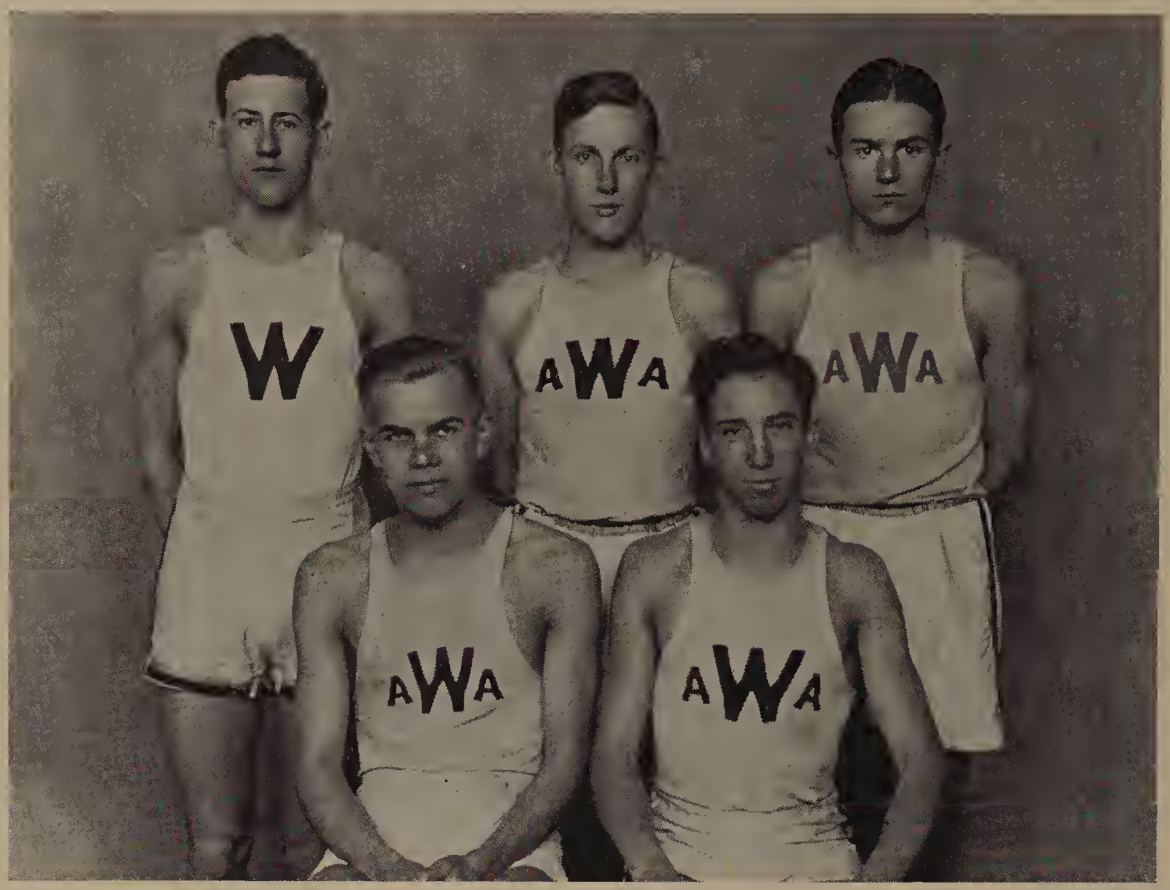
THE relay team opened its indoor season in the big Brown gymnasium, and did its best to upset the home team. However, the Bruins would not let that be, but were forced to the utmost to defeat Tech by about a yard, every man being about evenly matched.

After putting in a hard session of practice after the mid-year vacation, the team journeyed to the B. A. A. meet in Boston on February 15th, and there met M. A. C., and Rhode Island State in a triangular contest. Woodward, the lead-off man, gained several yards before passing to Hathaway. Here the lead came in handy, for Whitten of the Aggies passed on the wrong side of "Linc", thus holding him back. However, "Otie" Mace not only gained the lost ground, but gave the stick to Ralph Duchacek ten yards ahead of the opponents. In defeating the two state college teams, the time was 3:40:0 1-5.

The next week Tech again took its old rivals, Mass. Aggies, into camp in the fast time of 3:38:00, when Woodward took the lead at the first and his mates, Nyquist, Mace, and Duchacek each gained their share.

Northeastern runners defeated the Crimson and Grey men by a large margin when Sullivan, Tech's second runner, was severely handicapped by an injury. Mace was also laid up with a severe ankle injury at the time, but Woodward, Hathaway, and Duchacek did their best for Tech.

On March first the whole indoor team journeyed to Amherst to vie with the Lord Jeffs. To comply with the Amherst three-year ruling, all Freshmen were left behind, and their loss was keenly felt, as the team returned on the short end of a 71-24 score. "Walt" French started the meet auspiciously for Tech by taking the hurdles from two of Amherst's stars, and Mace won the mile from Jardine in the time of 4 min. 49.2 secs. The field events were mostly all Amherst's, the shot-put being fought out between three Lord Jeffs. Aplington threw the lead 39 ft. 7 in. for a new record. Four other records were broken in track events. Felt nosed out South of W. P. I. in the forty-yard dash in 4.5 secs., Duchacek forced Keith to a new mark of 54.8 secs., in order to win the quarter; Neale and Felt outran "Charlie" Woodward in the 220 to take it in 24.6 secs.; and Grant and Felt defeated "Walt" French in the 40-yard low hurdles setting a mark of five seconds flat. The Am-



1930 RELAY TEAM

herst quarter-milers Robinson, Jardine, Steward, and Keith finished the afternoon by gradually pulling away from the Tech relay men, Woodward, Nyquist, Hathaway, and Duchacek, to clinch the event by a small margin.

In the three outdoor dual track meets held this Spring, the Tech track men have come through in great style. Tufts lost to Tech, 80-55, with Worcester gaining nine of fifteen firsts. M. A. C. was defeated by a score of 93-42. Out of fifteen places Tech took ten first and twelve seconds. Milde, French, and Lyman were the high scorers.

In the third meet, B. U. was defeated by the close score of 73-62. Milde surprised the Boston University supporters when he defeated their star, Bicknell, in both dashs. Bicknell had cleaned up in the dashes against Harvard, M. I. T., and Tufts, and was expected to finish the season undefeated. "Walt" French also accounted for two first places. Schuka took first in the pole vault, Mace won the mile, Pierce took the two mile run, while Carlson won the high jump to account for Tech's eighth first place.

MINOR SPORTS

1929 SOCCER SEASON

CAPTAIN RICE

WHEN Coach Higginbottom called out the soccer squad in September, the outlook for the season was bright. Five veterans reported, including Captain Rice, Tulka, Whittaker, Ericson, and Larson. Ericson and Larson were forwards on Tech's New England Championship team of three years ago.

However, the team could not seem to get organized until after the first two games had been played. The first game against Harvard took place at Cambridge. Coach Higginbottom's proteges lost a tough, hard-fought game by the score of three to nothing. Tech lost her first home game on the next Saturday to a highly-rated Amherst team by a score of three to one. The coach then shifted some of his men around, and the team really got started. They won the next two games with Wesleyan and M. I. T. by the same scores, two to nothing. Then, as usual, ineligibility took its toll of the team. Lacking the support of three good men the Soccerites went into a slump, and, although they gave all they had, lost to Brown at Providence. Things looked pretty black then, with the Clark game only a week off. However, after a week of stiff practice sessions, the booters pulled a surprise on everyone except themselves by holding a tough, hard-fighting team from Clark to a one to one tie on Clark's home field. The season came to a close the next week when Tech went down in defeat before Northeastern, at Alumni Field, losing by a two to nothing score.

While Harvard won the opening game by a 3-0 score, the margin of victory might have been much greater had it not been for the fine defensive playing of the backs and the particularly fine guarding of Whitaker, the Engineer's goalie.

In the second game, against Amherst, Larson proved to be the star of the game and accounted for Tech's only goal. During the first half the ball was continually in the Lord Jeff territory with Larson and Ericson forming the main driving power, but the team did not produce the necessary punch to score.

In the first half of the Wesleyan game, the Worcester forwards seemed to be totally outclassed by the heavier

MANAGER HART

Wesleyan squad and only the fine work of the Tech goalie prevented them from scoring several times. The second half was entirely different with Tech displaying a far cleverer game of passing and headwork than their opponents which gave them two goals and their first win of the season. Hammer and Larson made the scores.

COACH
HIGGINBOTTOM

Continuing their fine brand of soccer, Tech kept the M. I. T. booters on the defensive throughout the game. The W. P. I. goal was not even threatened until the second half when the Hub boys managed to put up a better battle. Larson added another point to his growing collection while Ericson made the second point.

Brown administered a crushing 7-1 defeat on the Worcester team, the following week. Hammer scored our only goal after an encouraging but short-lived rally. In the Clark contest, Nelson dribbled a quarter of the field alone to cage a beautiful kick that tied the score at one all.

1929 TENNIS SEASON

CAPTAIN CORSINI

BEFORE the start of the season it was thought that the loss of Harold Kranz would sadly handicap the tennis team. However, with the three Sophomores, Corsini, Collins, and Alber, performing brilliantly throughout the season, with Captain "Bob" Cotton turning in a good record for his last year, and with the two Freshmen, Werth and Wilson, showing up quite well in the few matches in which they participated, a very creditable showing was made by the team.

Unfortunately, the netmen were forced to engage in their first match after only one outdoor practice session. Even more unfortunately, Clark was the opponent and the result was a very unsatisfactory 3-3 tie. Efforts were made to obtain another match with Clark but Tech had to be content with the tie.

The following week Brown proved a bit too formidable on their own courts and the team went down to a 6-3 defeat, but only after a desperate struggle. Werth turned in a victory to celebrate his first collegiate match. "Ev" Collins lost in straight sets to Weisenberg for what turned out to be his only defeat of the season. Corsini and Collins won their doubles and Alber his singles for the only other Tech victories of the day.

The team broke into the win column the following week at the expense of Trinity whom they defeated on the Tech courts, 4-2. The match with Holy Cross was twice postponed because of rain and finally had to be cancelled.

The next match resulted in an overwhelming victory for Tech when Boston University was defeated on the home courts, 9-0. Every member of the team played exceptionally well and the opponents were able to win only two sets during the entire match.

Perfect weather was enjoyed for a change on the Vermont trip and both Middlebury and the University of Vermont were defeated. The feature of the Middlebury match was the struggle between Woodbury and "Russ" Corsini in which the former gained for Middlebury its only point by defeating "Russ," 6-3, 4-6, 6-4. Vermont was also defeated by the very comfortable margin of 5-1.

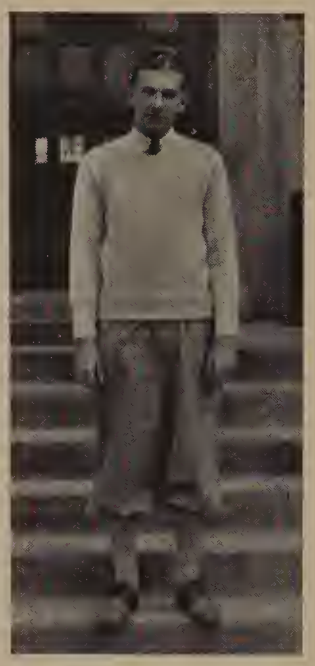
The last match of the season resulted in a heartbreaking

MGR. PERREAULT

defeat at the hands of Springfield College on their own courts. The score was 2-4. Collins and Corsini at one time needed only one point to win their doubles —Alber and Cotton were in the same position, but Fortune smiled neither time. "Mal" Alber lost his only match of the season to Smith after winning the first set quite easily. This was Alber's first defeat in eleven matches and his second in two years.

Considering the fact that Corsini, Alber and Collins are all Juniors, the tennis team should enjoy a most successful season this coming year.

1929 GOLF SEASON



CAPTAIN GILL

WITH a record of three wins, three losses and one tie, the Tech Golf team finished the 1929 season. Considering that the team opposed some of the best golfing quartets in New England, the W. P. I. golfers did very well.

The first match of the season was lost to Boston University on April 26 at the Woodland Golf Club course. The score was 5-1 and proved to be the worst-beating met with during the season. Irwin Peterson, a Freshman, was the only man to win his match, although both "Russ" Gill and "Len" Dunn had very exciting matches that were decided on the eighteenth hole. In the doubles, Peterson and Dunn lost their match on the nineteenth green. Since the actual playing was much closer than the score indicated and the B. U. golfers were highly rated, the defeat was not as keenly felt as it might have been.

In a competition for number four man held at the Worcester Country Club, "Stan" Heald eliminated "Len" Dunn. On April 30, the new team, consisting of Captain Boyle, Gill, Peterson, and Heald, played M. I. T. with a 3-3 tie as the result.

The team won its first match on May 7 from Amherst, 4-2. All matches were very close. Peterson played a sensational game; he was three down with four holes to play and squared accounts on the eighteenth green and won the nineteenth with a par 4 to take the match. This win was followed by a second one, the Wesleyan quartet being defeated by a score of 4-2.

The following two matches were lost to Bowdoin and Holy Cross. In the Bowdoin match Backstrom replaced Heald. It was Backstrom's first match and he played a beautiful game, winning one of the two Tech matches, Gill taking the other one. The Holy Cross score was 4-2 with every match being a bitterly contested one. Boyle and Gill won their singles; Boyle winning his first nine holes with some magnificent golf.

The final match of the season resulted in a 4-2 win for Tech. This was played at the Worcester Country Club on a cold, blustery day with Tufts as the loser.

The prospects for a bright season this spring are good since there are six letter men on the squad remaining from last year. With several promising Freshman candidates out for practice, there will undoubtedly be keen competition for positions 3 and 4. "Russ" Gill as captain, and "Mike" Boyle apparently have the first two positions sewed up.

1930 Schedule

April	21	Syracuse at Worcester
	25	Boston University at Worcester
May	6	M. I. T. at Worcester
	7	Holy Cross at Worcester
	9	Wesleyan at Middleboro
	12	Tufts at Worcester
	15	Bowdoin at Worcester
	22	Amherst at Amherst

With part of the 1930 schedule already played, this season's team seems to be shaping up fairly well. The strong Syracuse team was tied with a 3-3 score at the new Wachusett Country Club, and the W. P. I. men decisively trounced the B. U., 6-0. The engineers from Cambridge overcame the Crimson and Grey, as did the Purple team from across the city.

1929—SWIMMING SEASON—1930

CAPTAIN ROGERS

THIS past winter saw Tech's swimming team once again take a position among the leaders of the eastern colleges. But for an unfortunate break in mid-season which robbed the team of a sure point getter in Captain "Joe" Rogers, star dash man, it might well have ranked at the top. Five wins, three losses and second place in the New England Intercollegiate meet is a very creditable record for any college team.

The first meet was with Union College at the Fuller Pool. It resulted in a 50-12 win for Tech, the team winning every event except the relay which was lost by a narrow margin.

The following week Williams College was entertained in the home pool and again Tech was an easy winner, 54-23. In this meet Carl Larson set a new New England record in the individual medley, being clocked in 4 minutes, 19 2-5 seconds.

Rensselaer was Tech's next victim, being taken into camp in the R. P. I. Pool by the score of 40-37. The meet was much closer than was expected but the team was handicapped by having to swim almost immediately after arriving in Troy.

At Amherst the team swam without the services of Rogers and went down to defeat by the narrow margin of three points, 39-36. The team led all the way only to lose the last event, the relay, thus giving Amherst the meet. "Johnny" Osipowich broke the Amherst Pool record in the 440-yard swim.

Brown also defeated the crippled Tech team, giving it its only real defeat of the year in the Brown Pool by the score of 45-31. Sittler of Brown lowered Carl Larson's medley record by three seconds in this meet.

The Connecticut Aggies were given a 65-12 splashing in the Fuller Pool on March 1. The team encountered little opposition and swept the first places. "Bob" Driscoll lowered the pool record for the 150-yard backstroke when he swam it in 1 minute, 51 seconds.

Bowdoin College was defeated at Brunswick by a score of 52-25. The Tech team set three pool records—one by Jones in the medley, one by Osipowich in the 100-yard, and the last by the relay team.

MGR. NEWBOLD

The season ended the following week with the Intercollegiates at Brunswick, Maine. The Tech team placed men in the finals of almost every event, and captured three first places, one less than the Brown team which won the meet. "Johnny" Osipowich set a New England record in the 440-yard free style, clipping 4 3-5 from the old record. While the showing of the team was highly satisfactory, if it had been able to put its full strength in the meet it might well have been first.

The season as a whole was highly successful and next year's team will do well to equal its record. "Joe" Tawter and Carl Larson, two former captains, will be lost by graduation and their places will be hard to fill. "Joe" Tawter has ably represented the team in the diving events and not once during the season was he defeated in a dual meet. But with Osipowich, Tinker, Holcombe, Emerson, Driscoll and others returning next year the team should once more give a satisfactory account of itself.

1929—RIFLE CLUB—1930

CAPTAIN DEMONT

THE rifle team this year held sixteen intercollegiate matches with teams from Maine to California. Seven of the matches were in the eastern league of the National Rifle Association. Of the sixteen matches all but six were with military units. The non-military teams were easy victories with the exception of one. In the other matches the rifle team did not fare so well, losing many of them. Each year it becomes more difficult to find non-military teams that desire to compete with the Tech team because of the small chance of winning. In the New England League of the National Rifle Association the Tech Rifle team placed fifth, losing four of the seven matches.

The matches were in one, two, three, or four positions: prone, kneeling and standing.

Captain A. M. Demont led the team at a pace that few could follow. H. O. Allen was the manager of the team and D. K. Bragg took care of the financial end.

The first victim was Trinity College. The rifle team easily won the match with a score of 1205-1029. Other matches followed at the rate of one and sometimes two a week.

Two shoulder-to-shoulder matches were held during the year. The first was with the Worcester Pistol and Rifle Club and the Tech team was defeated by the veteran riflemen. In order to even things up the Tech team challenged the Service Company team, champions of the 181st Regiment. It was accepted and the Engineer riflemen proceeded to take the soldiers into camp, winning the match by a good score.

The interclass rifle match sponsored by the Rifle Club resulted in a victory for the Senior team. It was made a three position match for the first time.

A system of records was instituted the first of the year. The records have been broken and rebroken and now it takes an excellent bit of shooting to approach them. Three records are held by S. Q. Chin, '31, two by D. K. Bragg, '30, and one by W. Manvel, '33.

A high scorer's cup is given each year to the one getting the highest total number of points for the season. This year H. O. Allen had the highest total of 3199 points, fol-

MANAGER ALLEN

lowed by A. M. Demont with a total of 3136 and D. K. Bragg with a total of 3029 points.

In order to provide interest for the team, two new trophies have been awarded. The Bearcat trophy was awarded each week to the member getting the highest score per shot in the standing position, misses not counting. The trophy was won by E. V. Haskell, '31, having won it the greatest number of times. The Pecan trophy was awarded each week to the one obtaining the lowest score in the standing position. C. S. Greco, '30, received the trophy having won it the greatest number of times.

As only three veterans will be lost through graduation and there is some promising material in the Freshman class, Captain Demont will have the nucleus of a strong team for the coming year.

WORCESTER TECH RECORDS

Worcester Tech track records ——

100-yard Dash—Milde, '30, 10 sec.
220-yard Dash—Milde, '30, 22 sec.
440-yard Dash—Ricker, '16, 49 4-5 sec.
880-yard Run—Rice, '28, 2 min., 3-5 sec.
Mile Run—Keith, '14, 4 min., 24 2-5 sec.
Two Mile Run—Armour, '13, 9 min., 57 sec.
120-yard High Hurdles—Lundgren, '97, 16 1-5 sec.
220-yard Low Hurdles—French, '30, 25 sec.
Shot Put—Clough, '13, 43 ft., 3 3-4 in.
Discus Throw—Hunt, '20, 120 ft., 8 1-4 in.
Hammer Throw—Power, '13, 133 ft., 8 in.
High Jump—Schmidt, '18, 5 ft., 8 1-2 in.
Pole Vault—Lyman, '21, 11 ft., 3 1-2 in.
Broad Jump—Carpenter, '27, 21 ft., 10 in.
Javelin—Sodano, '31, 164 ft., 9 in.

FRATERNITIES

THE SKULL

Senior Honorary Society — Founded 1911

Member with Distinction

PRESIDENT RALPH EARLE

FACULTY

Professor Herbert F. Taylor

Mr. Donald G.Downing

1929—MEMBERS—1930

E. Waldemar Carlson
Edward R. Delano
Walter H. French
Myrton P. Finney
Joseph T. Tawter
Edward C. Milde
Daniel F. O'Grady
M. Lawrence Price

THE SKULL

SINCE 1911, Skull has taken its membership from the men of the Senior Class, who by their personality, popularity, attitude toward their Alma Mater in both curricular and extra-curricular work, ability, and leadership have proven themselves worthy of an especial honor such as is conferred upon them by this selection.

Professor Taylor, now recuperating in Rutland from a long illness brought on by his carrying out of the ideals of The Skull, was one of the founders of the society. After several years of existence, Skull finally acquired its present home; the Skull Tomb at the foot of Boynton Hill, opposite President Earle's home. An interesting photograph of this mysterious stone citadel is shown on page twelve of this volume, portraying it, with its network of bus structures and transmission lines, in its original role of magnetics laboratory. Although its role has changed greatly in some respects, there is a striking similarity in other points. In those days its inhabitants were in search of the qualities of magnetics and magnetism; now the few who are admitted gain entrance only because of their personal and inherent possession of certain magnetic qualities.

Last year a non-graduate of Tech was admitted for the first time. President Earle, honorary member of the Class of 1929, and the foremost and hardest worker for Tech, was the man so honored.

For the fourth time since its origin in 1925, the Skull trophy, given at the end of the college year to the Freshman who has shown the most interest in and accomplished the most for W. P. I., was presented. In 1929 "Bill" Asp, three-letter man in major sports during his first year, and scholar extraordinary, was the recipient of this honor.

TAU BETA PI

TAU BETA PI

NATIONAL HONORARY ENGINEERING SOCIETY

Founded at
Lehigh University
June, 1885

Massachusetts Alpha
Chapter Founded
May 14, 1910

Member with Distinction
President Ralph Earle

FACULTY

Prof. Charles Metcalf Allen
Prof. Francis Joseph Adams
Mr. Harold Winthrop Dows
Prof. Arthur Willard French
Mr. Clyde Warren Hubbard
Prof. Carl Dunham Knight
Prof. Gleason Harvey MacCullough
Prof. Harold Arthur Maxfield
Prof. Carl Frederick Meyer
Prof. Hobart Hallett Newell
Prof. Joseph Oliver Phelon
Prof. Albert Sutton Richey
Prof. Harold Babbitt Smith

1929—ACTIVE CHAPTER—1930

OFFICERS

E. Waldemar Carlson, President
Walter H. French, Vice-President
Carmelo S. Greco, Recording Secretary
Edward C. Milde, Corresponding Sec.
Charles L. Wright, Treasurer
Harry A. Sorenson, Cataloger

MEMBERS

E. Waldemar Carlson, '30
Walter H. French, '30
Stanley H. Fillion, '30
Carmelo S. Greco, '30
Harold C. Hart, '30
Aarne A. Luoma, '30
Edward C. Milde, '30
Daniel F. O'Grady, '30
Kenneth H. Perry, '31
Philip M. Seal, '30
Harry A. Sorenson, '30
Joseph T. Tawter, '30
A. Francis Townsend, Jr., '31
Warren C. Whittum, '30
Charles L. Wright, '30

PHI GAMMA DELTA

PHI GAMMA DELTA

ΦΓΔ CHAPTER HOUSE, 99 SALISBURY STREET

Sixty-nine Chapters

Founded at
Washington and Jefferson College
April 22, 1848

Pi Iota Chapter
Founded
November 21, 1891

FACULTY

Mr. W. L. Phinney, Jr.

1930

John W. Burt
Edward R. Delano
Clement A. Didden
Paul S. Otis
Kenneth V. Fryer
Norman L. Shaw
Robert K. Stoughton

1931

Edward D. Amsden
Robert Bumstead
Edward R. Harper
John Hinchliffe
James L. Rathbun
William Sinclair
A. Francis Townsend
Grayson W. Wilcox
William A. McAloon

1932

John C. Barter
Howard R. Finn
William H. Hinchliffe
James S. Nelson
John H. Porteus
Frank S. South

1933

Ralph H. Allen
John E. Church
Robert N. Clark
Joseph H. Fogg
David C. Hyde
Thomas A. Hyde
Leighton Jackson
John T. Kane
Harvey F. Lorenzen
Wright H. Manvel
Frederick W. Menold
Alfred G. Parker
Edward P. Schirmer
John C. Spence
Robert H. Wheeler

PLEDGES

Paul E. Johnson, '32
Leon D. Skuropat, '32

SIGMA ALPHA EPSILON

SIGMA ALPHA EPSILON

ΣΑΕ CHAPTER HOUSE, 6 HUMBOLT AVE.
One hundred three Chapters

Founded at
University of Alabama
March 9, 1856

Massachusetts Delta
Chapter Founded
April 10, 1894

FACULTY

Professor C. M. Allen
Professor H. F. Taylor
Professor P. R. Carpenter
Mr. C. W. Hubbard

1930

Thomas Flynn, Jr.
Walter Hanson
Robert E. Hollick
George E. Perreault
M. Lawrence Price
Wendell H. Simpson
Joseph T. Tawter
Warren W. Whittum

1931

Robert T. Barnicle
Robert E. Barrett
Edward J. Bayon
Norman A. Butterfield
Robert N. Cambridge
Albert M. Demont
Charles R. Fay
A. Wallace Gove
A. Chester Lendo
Richard G. Marden
John L. Richmond
Carl F. Sage
Harry N. Tyler
Oliver N. Walker
Robert S. Williamson
Russell V. Corsini

1932

Wells F. Bausman
Malcolm H. Bloom
Robert G. Driscoll
Charles S. O'Brien
George E. Oman
Rupert D. Porter
Gordon E. Signor
Bertrand R. Lanciault
John C. Osipowich

1933

William F. Bunting
Edward J. Conway
Umbert F. Corsini
Herbert M. Curtiss
James R. Driscoll
Robert E. Ferguson
Harry T. Jensen
Donald A. Kayer
William E. Moody
Robert J. Munson
Chester I. Olson
W. Harvey Perreault
Howard C. Reinhard
Gordon R. Whittum
Arthur S. Yelle

ALPHA TAU OMEGA

ALPHA TAU OMEGA

ΑΤΩ CHAPTER HOUSE, 24 INSTITUTE ROAD

Founded at
Virginia Military Institute
September 11, 1865

Ninety-one Chapters

Massachusetts Gamma Sigma
Chapter Founded
November 27, 1906

FACULTY

Professor Joseph O. Phelon
Professor Hobart H. Newell
Professor Howard P. Fairfield

1930

C. Eugene Center
John E. Fletcher
William Graham
Lincoln B. Hathaway
William H. Mill
Daniel F. O'Grady
Henry A. Pearson
Arthur F. Pierce, Jr.
Donald R. Simonds
John T. Tompkins, Jr.

1931

William E. Aiken
Edward S. Coe, Jr.
Harold T. Cutler
Frank T. Green
Henry E. Hosmer
Charles A. Kennedy
Otis E. Mace
Allen C. Weissinger

1932

Earl M. Andrew
William W. Asp
Lenges H. Bull
Roger C. Hager
Stanley W. Heald
Ernest M. Holt
Linn M. Lockwood
Swen G. Pulson
Donald M. Smith
John Tinker
Frederick F. Whitford
Cary C. Wilson

1933

William A. Anderson
William J. Chapman
Guy A. Cummings, Jr.
Irving Gartrell
John J. Molloy, Jr.
Richard May
Emil C. Ostlund
Robert C. Peterson
John Smith
A. Elmer Pihl
Richard F. Porter
Warren S. Saltmarsh
John C. L. Shabeck, Jr.

THETA CHI

THETA CHI

ΘX CHAPTER HOUSE, 85 SALISBURY STREET

Founded at Norwich University 1856 Forty-six Chapters Epsilon Chapter Founded 1909

FACULTY

Professor Carleton A. Read Professor Carl F. Meyer

1930

Paul O. Anderson
Robert S. Bennett
Richard A. Holley
Philip A. MacArdle
Ellman B. Smith
William J. Newbold
Clifford E. Richey

1931

Henry N. Deane
Walker T. Hawley
Raymond D. Holcombe
Irving S. Newcomb
Oscar U. Tissari
William J. Pearson
Eben H. Rice

1932

George T. Barks
Robert W. Barr
Gordon B. George
A. Edmund Greco
James E. Leach
Charles T. McGinnis
Howard A. Offers
Edwin L. Pollard
Henry B. Pratt
David Rice
Bernard B. Taylor
Stanley W. Swipp
Chester A. Werme
Curtis M. White
Payson R. Whitney

1933

Gordon E. Barnes
Ethan D. Bassett
Albert O. Bell
Robert W. Blake
Ronald H. Bruce
Albert H. Ensor
Kenneth M. Farnsworth
John A. Henrickson
Carroll M. Johnson
John C. Keefe, Jr.
C. Bradford Newell
Wesley B. Reed
Sumner B. Sweetser
Eugene J. Teir
Herman W. Trulson
Arthur M. Wheeler

LAMBDA CHI ALPHA

LAMBDA CHI ALPHA

ΛΧΑ CHAPTER HOUSE, 30 TROWBRIDGE ROAD

Seventy-seven Chapters

Founded at Boston University November 2, 1909 Pi Zeta Chapter, Founded June 15, 1913

FACULTY

Prof. Carl D. Knight Prof. Harold A. Maxfield Dr. Raymond K. Morley

1930

W. Dwight Davidson
William H. Doyle
Alvar O. Ericson
Willard W. Locke, Jr.
George A. Marston
J. Richard Parker
George E. Pierce
George N. Smith
Charles L. Wright

1931

C. King Aldrich
Roscoe H. Bowers
Warren N. Doubleday
Frederick A. Farrar
Lester W. Frank
Paul H. Fittz
Allan G. Hall
Jay M. Harpell
F. Ralph Kenyon
Usko T. Kontio
Trescott B. Larchar
Kenneth H. Perry
J. Philip Pierce
Charles E. Woodward

1932

Melvin G. Adams
Allen B. Belcher
Fred A. Bickford
William J. Cullen
Earl L. Dufresne
George G. Erickson
Ernest W. Foster
Earle E. Greene
Eino O. Leppanen
Paul E. Nelson
Olof W. Nyquist

1933

Allen L. Brownlee
Richard R. Clarke
Arthur H. Dixon
Alden H. Fuller
Donald W. Haskins
Frank A. Larson
George W. Lyman
William T. Payne
Milton E. Prescott
Franklin B. Roberts
William A. Slagle, Jr.
Charles L. Smith
George E. Wheeler

Pledges, 1932—Howard P. Lekberg, Paul R. Olson, Donald W. Putnam; 1933—Sherman E. Hardy, Robert D. Hunter

PHI SIGMA KAPPA

PHI SIGMA KAPPA

ΦΣΚ CHAPTER HOUSE, 11 DEAN STREET

Forty-nine Chapters

Founded at
Massachusetts Agricultural College
March 15, 1873

Epsilon Deuteron Chapter
Founded
June 3, 1915

1930

F. D. Chaffee
F. G. Davis
H. W. Davis
M. P. Finney
W. H. French
E. C. Milde
R. W. Puddington
O. E. Reynolds
W. H. Rice
F. P. Smith
F. C. Holmes

1931

E. D. Collins
C. B. Eddy
O. R. Underhill
I. S. White
J. W. Davidson
C. B. Walker
R. Hodgkinson (pledge)
R. A. Duchacek
M. C. Sodano
C. N. Whitaker

1932

E. K. Allen
C. R. Barlow
R. F. Bye
L. C. Daniels
W. L. Edgeworth
L. G. Green
L. H. Peters
A. C. Peterson
C. M. Ekberg (pledge)
I. W. Peterson
R. D. Purrington

1933

F. R. Asserson
E. Barton
W. E. Bass
V. F. Buell
T. Decker
K. Gleason
G. U. Gustafson
H. A. Hammer
E. Johnson
F. Kean
R. Klebart
R. J. Merrell
A. Miller
S. A. Norton
W. Ritcey
R. J. Voight
A. Wyman
J. Hancock
E. Ungerer (pledge)
S. Brewer (pledge)

THETA UPSILON CHAPTER OF PHI KAPPA PHI HONORARY SCHOLASTIC SOCIETY

THETA UPSILON OMEGA

ΘΥΩ CHAPTER HOUSE, 30 INSTITUTE ROAD

Thirteen Chapters

Founded by Amalgamation of Ten Local Chapters May 2, 1924

Beta Alpha Chapter Founded May 2, 1924

FACULTY

Prof. Arthur J. Knight
Prof. Gleason H. MacCullough
Prof. Jerome W. Howe
Prof. Kenneth G. Merriam
Mr. A. Everett Lawrence

1930

A. R. Barnes
H. C. Hart
H. A. Sorenson
E. W. Carlson
W. I. Johnson
W. E. Tate
C. H. Cole
C. T. Smith
V. E. Wade
M. Y. Warner
J. H. Wells

1931

C. A. Berquist
M .D. Gleason
O. B. Merrill
C. H. Schiller
H. H. Terry
C. G. Durbin
R. E. Hall
C. E. Rylander
G. W. Smith
A. G. Toussaint
C. R. Gill
R. J. Libbey
T. L. Sanderson
R. D. Taylor
J. B. Tuthill
P. K. Turner

1932

R. I. Belmont
H. E. Carlson
E. D. Jones
O. L. Seelert
H. W. Bancroft

1933

W. O. Bell
E. P. Holter
A. V. Pulson
L. E. Crane
C. L. Johnson
A. E. Smith
M. S. Williams
F. F. Dodge
G. W. Nicoletti
W. W. Tuthill
R. M. Williams
J. H. Vail

Pledges, 1932—A. E. Bailey, H. F. Borg, M. J. Dana.

SIGMA OMEGA PSI

Founded at
City College of New York
1915

Theta Chapter
Founded
1918

MEMBERS

1930

Albert A. Baron — Jacob J. Jaffe

Walter Rutman

1932

David Goldrosen — Everett Gordon

1933

Leo Burwick — Simon Greenberg

PLEDGES

1933

Mendel Holoff — Charles Wolk

SIGMA XI

NATIONAL HONORARY RESEARCH FRATERNITY

Founded at Cornell University 1886 — W. P. I. Chapter Founded 1908

RESIDENT MEMBERS, 1929-30

Prof. Francis J. Adams
Prof. Charles M. Allen
Mr. Carl F. Alsing
Dr. Frederick R. Butler
Dr. Daniel F. Calhane
Mr. Richard B. Dow
Dr. A. Wilmer Duff
President Ralph Earle
Dr. Arthur W. Ewell
Mr. Harry B. Feldman
Prof. Howard P. Fairfield
Prof. Arthur W. French
Prof. Harold J. Gay
Dr. George H. Haynes
Prof. Jerome W. Howe
Mr. Clyde W. Hubbard
Dr. Walter L. Jennings
Prof. Arthur J. Knight
Prof. Carl D. Knight
Mr. Willard D. Lawton
Prof. Gleason H. MacCullough
Dr. Morton Masius
Prof. Harold A. Maxfield
Prof. Kenneth G. Merriam
Prof. Carl F. Meyer
Dr. Raymond K. Morley
Prof. Hobart H. Newell
Mr. John M. Petrie
Prof. Joseph O. Phelon
Mr. William L. Phinney
Dr. Clarence A. Pierce
Dr. Samuel J. Plimpton
Mr. Louis W. Rawson
Prof. Carlton A. Read
Prof. Harris Rice
Prof. Albert S. Richey
Prof. Francis W. Roys
Dr. Thomas K. Sherwood
Prof. Alton L. Smith
Dr. Maurice E. Smith
Mr. Reginald J. Stephenson
E. Waldemar Carlson
Stanley H. Fillion
Walter H. French
Harold C. Hart
Aarne A. Luome
Philip M. Seal
Harry A. Sorenson
Alfred W. Vibber

Resident Associate Members

David K. Bragg
Alfred W. Gove
Carmelo S. Greco
Everett E. Johnson
David D. Kiley
Gustav E. Mangsen
John A. Matusewicz
Edward C. Milde
Rolla M. Peterson
Wittie Schuka
Norman L. Shaw
Donald R. Simonds
A. Francis Townsend
John B. Tuthill
John H. Wells
Warren C. Whittum
Charles E. Woodward

THE INTERFRATERNITY COUNCIL

1929-30

PROFESSOR ALBERT S. RICHEY, *Chairman*

PROFESSOR GEORGE H. BROWN, (March-December, 1929)
PROFESSOR CLARENCE A. PIERCE, (December, 1929-) } *Secretaries*

PHI GAMMA DELTA
Almon Francis Townsend, Jr.

SIGMA ALPHA EPSILON
Charles Rozzelle Fay

ALPHA TAU OMEGA
Clare Eugene Center

THETA CHI
William John Newbold

LAMBDA CHI ALPHA
Kenneth Hooper Perry

PHI SIGMA KAPPA
Myrton Parker Finney

THETA UPSILON OMEGA
Charles Harold Cole

THE W. P. I. INTERFRATERNITY COUNCIL

ALTHOUGH the great majority of Tech men seldom stop to realize it, the Interfraternity Council, besides being perhaps the strongest organization on the Hill, exercises not only a great influence over the actions of the students during their undergraduate days, but plays an important part in every man's whole life. The Council determines the policy upon which the first-year men shall be taken into the respective fraternities and binds the men together into a better relationship with the members of other chapters than might be accomplished if there were no such body.

Wherever there are groups of men banded together under separate organizations there is bound to be a healthy rivalry in all branches of activity. In athletics the fraternities at Tech compete with each other under the supervision of an athletic board created by the Interfraternity Council. Social relations are strengthened through the holding of the annual Interfraternity Dance.

Problems as met and solved at Tech are discussed with men from other campuses and their helpful experiences and view points are heard by a delegate from W. P. I. at the annual national interfraternity conference. Last November Worcester Tech was placed in an outstanding position when five of the seven members of the local council attended the convention in New York City.

The Council suffered a loss last winter when Professor Brown, its Secretary for many years, was forced to leave the Institute because of his health. However, Professor C. A. Pierce, a fraternity man in his college days at Wesleyan, has been elected to the position and with his experience and knowledge of human nature will undoubtedly help the effectiveness of the body a great deal.

INTRAMURAL SPORTS

INTERFRATERNITY SPORTS COMMITTEE

Phi Gamma Delta	Clement A. Didden
Sigma Alpha Epsilon	Edward J. Bayon
Alpha Tau Omega	John E. Fletcher
Theta Chi	Eben H. Rice
Lambda Chi Alpha	Usko T. Kontio
Phi Sigma Kappa	Frederic C. Holmes
Theta Upsilon Omega	Vernon E. Wade
Sigma Omega Psi	Walter Rutnam

SPORTS STANDING 1929-1930

(As of April 5, 1930)

Lambda Chi Alpha	235.0	Phi Gamma Delta	205.5
Phi Sigma Kappa	225.5	Theta Chi	201.0
Alpha Tau Omega	224.0	Sigma Alpha Epsilon	199.0
Theta Upsilon Omega	216.5	Sigma Omega Psi	190.5

ORGANIZATIONS

THE TECH COUNCIL

1929-30

President — M. Lawrence Price, '30

Secretary — Professor Harris Rice

FACULTY MEMBERS

President Ralphe Earle — Professor Carl D. Knight

UNDERGRADUATES

1930

M. Lawrence Price — Daniel F. O'Grady

Edward C. Milde

1931

Ralph Hodgkinson — Oliver R. Underhill

1932

Donald M. Smith

1933

Leighton Jackson — Harold A. Hammer

THE TECH COUNCIL

THE Tech Council is the official connecting link between the Faculty and students as well as between curriculum and extra-curriculum activities of the college. It is made up of the President of the Institute, the President and two members-at-large from the Senior Class, the President and one member-at-large from the Junior Class, the Presidents of the two lower classes, and two Faculty members. With such a group of members it is possible to work for the best interests of everyone at the Institute.

To begin to enumerate the affairs which come under the jurisdiction of this body would require more space than is here available. However, with the opening of the college year, the first problem is the control of Freshman-Sophomore rivalry. Through the past few years the Council has gradually been able to reduce the severity of these conflicts, and beginning next autumn the two classes will no longer ruin themselves and the buildings in their "paddle rush." Henceforth they will give vent to their spleen by engaging in a pushball contest instead instead of "scrapping" in a battle which is usually one-sided.

It is by authority of the Tech Council that Trophies are awarded the outstanding graduating athletes.

The monthly student assemblies, under whose auspices the Fuller Lectures are given, are led by its membership.

The Point System was revised for the first time so that beginning in 1931, no man may be Editor of both the PEDDLER and the TECH NEWS.

Perhaps the biggest event managed by the Tech Council is the Tech Banquet. This year's affair was one of the most successful in years and is perhaps the most outstanding specimen of the Council's work.

THE 1930 PEDDLER BOARD

Editor-in-Chief
EUGENE CENTER

Associate Editor-in-Chief
STANLEY H. FILLION

Art Editor
PERCY F. MARSOW

Photographic Editor
HENRY O. ALLEN

Business Manager
ROY W. PUDDINGTON

Advertising Managers
I. BERNARD ERKKILA
DANIEL F. O'GRADY

Assistant Business Manager
E. WALDEMAR CARLSON

Junior Editors

C. MALCOLM ALBER
RALPH A. DUCHACEK
H. EDWIN HOSMER
IRVING S. WHITE
KENNETH H. PERRY
CARL E. RYLANDER

Junior Business Assistants

CHARLES B. EDDY
ROBERT E. BARRETT
CARL F. SAGE
CHARLES A. KENNEDY

Sophomore Editorial Assistants

WILLIAM E. AIKEN
WILLIAM N. BURR, JR.
LENGES H. BULL
HERMAN F. HAWTHORNE
LOUIS D. GREENE
SIDNEY THUNE

THE 1930 PEDDLER BOARD

JUDGING that the trend of thought as evidenced by the yearbook Boards in recent years was worthy and that the college annual was unrepresentative of the entire student body if published by and for the Senior Class alone, the present staff immediately, upon election in the spring of 1929, set upon the belief that this should not only be so, but that the staff should be divorced as much as possible from the *Tech News* in order to attain best efficiency in both publications. Therefore the wheels of the Tech Council were set in motion and the Point System, controlling student activities, was accordingly revised to effect this separation with the advent of the 1931 staff. Only time will tell as to the success of the plan.

Energies were bent toward finding some new plan of finance, but finding none which could be put in operation immediately, the aid of the Senior Class, which had always been given automatically, was enlisted in helping find the necessary funds through the sale of several books to each man.

As for the department of the 1930 PEDDLER which should be stressed, the staff decided that more photographs and snapshots and less straight reading matter should be used. Accordingly pictures were used wherever possible up to the full limit of the budget. Changes in other departments were made, nothing radical, but merely for the sake of variety. The staff was fortunate in having a very good art staff available, as this department may be the life of the book. The color theme was chosen to approach the W. P. I. colors as nearly as possible.

And so, although a complete transition upon such a proposition as this cannot be effected overnight, the trend which was started three years ago was continued, and it is hoped that it may be continued so as to bring one hundred per cent subscription among undergraduates within a few years.

THE TECH NEWS STAFF

1929-30

Editor-in-Chief, C. Eugene Center, '30
Business Manager, Richard A. Holley, '30
Managing Editor, William J. Newbold, '30
News Editor, William H. Mill, '30
Secretary, A. Arthur Zavarella, '30

Junior Editors

Henry O. Carlson, '31
Walker T. Hawley, '31
Kenneth H. Perry, '31
Henry E. Hosmer, '31
Eben H. Rice, '31
Grayson W. Wilcox, '31

Business Assistants

Robert W. McMasters, '32
Onnie M. Petroman, '32

Advertising Manager

Henry N. Deane, '31

Reporters

Lenges H. Bull, '32
George T. Barks, '32
Elliott D. Jones, '32
Irwin W. Peterson, '32
David Rice, '32
Donald M. Smith, '32
Louis D. Greene, '32
Stanley Gorka, '33
Sumner B. Sweetser, '33

THE TECH NEWS

TECH has long known a college newspaper. The old "W. P. I." chronicled many important events in its years of active life. That a college paper is of necessity in chronicling the passage of events was shown in the early history of Tech during the dispute with the Massachusetts Institute of Technology over which college had first claimed the colors crimson and grey as its official emblem. However, the old paper died a natural death during the latter part of the century, and there was a period of years when the only undergraduate publication was "The Journal," first started as a record of engineering achievement, and finally entering its present form as an alumni magazine.

It was in 1910 that the *Tech News* first appeared, and has kept its fundamental form ever since. The *News* has had to serve in a triple role during these years, satisfying the literary, journalistic, and comic needs of the student body as best it could. It has done so in an admirable manner, withstanding all kinds of handicaps and criticism.

During the past year the *News* has seen many events take place on the campus. Professor H. B. Smith has served the American Institute of Electrical Engineers as its President, and Professor Morley has acted as President of the New England Mathematics Teachers Association. The *News* has also witnessed the divorcing of the *News* and PEDDLER staff heads, enacted by the Tech Council through the Point System. During the fall a fire at the Sigma Alpha Epsilon house necessitated a trial of Rush Week during the second semester which worked out to everyone's satisfaction. Tech sponsored its first evening classes in Aeronautics under the auspices of the Curtis Ground School, graduating the largest class of any such school throughout the country. It was with sorrow that W. P. I. men learned of the death of two of her benefactors and trustees, the Hon. James Logan and Mr. Calvin C. Hill.

Within the staff itself every attention has been given in training the underclassmen to carry out their work with thoroughness and with a feeling of responsibility. A change in the fundamental order of duties was made for the better when the constitution of the organization was thoroughly revised to meet new conditions. For the first time the *News* was pitted against other organs of a similar type when it was entered in the national contest sponsored by the Columbia Scholastic Press Association. That its principles were sound and its policies justified was borne out by the fact that it won a high place in its class. Thus the *News* has upheld a standard set by its parent, a college of engineering.

THE MUSICAL ASSOCIATION

President, Ralph Hodgkinson, '31 *Vice-President*, John H. Hinchliffe, '31
General Manager, Wilson H. Rice, '30
Secretary, Robert S. Williamson, '31 *Treasurer*, Mr. J. E. Fitzgerald
Director, Mr. Dean Winslow Hanscom
The Boyntonians, Robert S. Williamson, '31, Leader
Banjo-Mandolin Club, Warren R. Purcell, '30, Manager
The Band, Robert I. Belmont, '32, Leader

THE past year has seen the completion of another successful season for the W. P. I. Musical Association. The combined clubs: namely, the Glee Club, Mandolin Club, and Orchestra gave many concerts in and around Worcester, all of which were very favorably received.

Under the capable and effective direction of Mr. Dean W. Hanscom and Ralph Hodgkinson, student leader, the Glee Club showed the result of three years careful planning and building, and has attained to a very high degree of excellence. Credit is also due W. R. Purcell, '30, for his excellent direction and management

THE BANJO-MANDOLIN CLUB

of the Mandolin Club. R. S. Williamson, '31, as leader, developed the Orchestra into a creditable organization. The Band under Professor Burr and R. I. Belmont, '32, has also performed effectively whenever it has been called upon.

Early in the fall the annual dance of the Association was held. This, as has been the case for many years, was the first event of the social season and was even more successful and enjoyable than ever before, with the ever popular "Music Weavers" furnishing the music.

The first public appearance of the Association was at the Tech Carnival. The numbers presented by the Glee Club and the Mandolin Club were well received. Following this first appearance, concerts were held during the winter months in Odd Fellows Hall in Worcester, and in the towns of Rutland, Holden, and Webster, also for the Worcester Alumni in Sanford Riley Hall. On February twenty-eighth, the Glee Club went to the New England Intercollegiate Contest in Springfield. The numbers presented by the Club compared favorably with those presented by the other contestants. In April the Association entertained the Boston Alumni in Boston. Late in April the Glee Club in conjunction with the Glee Clubs of Clark

THE GLEE CLUB

and Worcester Academy, all of which are coached by Mr. Hanscom, gave a joint concert which was excellently given and well received.

The quartet, composed of J. E. Church, first tenor; Leighton Jackson, second tenor; Ralph Hodgkinson, baritone; and J. H. Hinchcliffe, bass; sang at all concerts as well as occasionally at assemblies and Chapel and at the Tech Banquet. In addition to this, they also entertained the New York Alumni in New York City and the Connecticut Valley Alumni in Springfield.

Although the number of concerts given this season was less than in the past, the quality of each was of the best and it is felt that there is a firm foundation for the growing excellence of the Association both in the quality of the music presented and the way in which it is rendered.

THE MASQUE

1929-30

President	Allen C. Weissinger, '31
Vice-President	Irving S. Newcomb, '31
General Manager	William J. Newbold '30
Business Manager	John H. Hinchliffe, Jr., '31
Advertising Manager	William J. Pearson, '31 Usko T. Kontio, '31
Publicity and Stage Manager	Frank T. Green, '31

THE MASQUE

BECAUSE of the dearth of undergraduate theatrical producers at Tech a decade ago, the sponsors of the Masque were forced to go outside for their plays. Since that time, and particularly in the last five years the authors have been very fortunate in securing new releases for amateur production. "Give and Take," "The Bad Man," "Skinner's Dress Suit," and this year "The Mystery Man," have been some of those presented during the past four years.

Only the one production each season, that given at the annual Tech Show during Junior Prom week, has been attempted, thus preventing an off-campus or out-of-town itinerary because of the lateness of the season.

However, the amount of work put on the play this year was well rewarded at its presentation, and the dramatic scason was voted to be a success.

THE Y. M. C. A. CABINET

MR. PAUL R. SWAN, *Executive Secretary*

President	M. LAWRENCE PRICE, '30
Vice-President	C. EUGENE CENTER, '30
Treasurer	EDWARD C. MILDE, '30
Secretary	CHARLES L. WRIGHT, '30
Religious Service	WALKER T. HAWLEY, '31
Handbook and Publicity	H. EDWIN HOSMER, '31
New Student Work	GRAYSON WILCOX, '31
Community Service	A. WALLACE GOVE, '31
Campus Service and Social	RALPH HODGKINSON, '31

THE Y. M. C. A. AT TECH

ALTHOUGH a definite and expressive undergraduate interest in religion as a working manifestation of every man's beliefs has not formulated itself at Tech, probably because of the limitations of a specialized curriculum, the interest of the student body has found a need for the "Y" Cabinet for a good many years.

From the beginnings of the Y. M. C. A. at Tech as the oldest continuously operating undergraduate organization, its functions have become an influence affecting the everyday life of every student.

The Y. M. C. A. Cabinet, the executive body of the "Y" at Tech, started its year with planning a definite program for the coming season at a setting-up conference at the home of the executive secretary, Paul Swan. The Freshmen were received into Tech life by the usual series of "get-togethers" preceding registration and were then afforded a chance to become acquainted with the upperclassmen and professors at the Freshman Reception where the good cause was helped along by "oiling up" with cider, cheese, and doughnuts.

One of the most helpful functions of the "Y" has always been in helping fellows find spare-time work, and this year the Employment Committee distributed flyers among the residences near Tech and were rewarded with many calls for workers.

With the Carnival, which came in December, Ralph Hodgkinson and his committee produced a program of entertainment which kept the audience, which crowded the Gym to capacity in spite of the bad weather, in a merry condition throughout the evening. The Class of '33 was awarded the cup, put in competition between the two lower classes, for its startling predictions concerning the future of television.

Although fraternity rushing interfered with plans of sending delegates to the Northfield Conference this year, close contact has been maintained with other campuses through the fall conference at Hartford and through the activities of "Bill" Kitchen, the New England secretary.

Chapel services were particularly successful this year, with a large attendance being maintained practically constantly. One of the outstanding achievements of the Y. M. C. A. Cabinet on the campus this year was the conducting of the May assembly of the college and the procuring of Dr. Gordon G. Gilkie, Amherst Professor, Pastor of the Springfield South Congregational Church and a famous author of works on personal efficiency and similar subjects, as the lecturer.

THE NEWMAN CLUB

President	DANIEL F. O'GRADY, '30
Vice-President	EDWARD J. BAYON, '31
Treasurer	WARREN R. PURCELL, '30
Secretaries	TIMOTHY D. CRIMMINS, '32
	ROBERT G. DRISCOLL, '32

THE annual pre-Lenten Newman Club Dance, held this year at the Bancroft Hotel with Hughie Connors and his orchestra providing the music, might be taken as a measure of the success of the club during the past year. The monthly meetings have been largely attended and very beneficial to the Catholic fellows on the Hill.

THE NEWMAN CLUB

MEMBERS

1930

John W. Conley
Hugh H. Coyle
William E. Corfitzen
Clement A. Didden
Stanley H. Fillion
Stephen D. Donahue
Thomas F. Flynn
Carmelo S. Greco
Francis Kennedy
James E. McLaughlin
Daniel F. O'Grady
Frederick P. Peters
Warren R. Purcell
Wittie Schuka
Ferdynand W. Stroyny
Joseph T. Tawter
Arthur A. Zavarella
Mario Pagnoni

1931

Edward J. Bayon
Russell V. Corsini
Leonard G. Dunn
Henry F. Friel
Harold J. Granger
William A. McAloon
William J. Pearson
John R. Tulka
Edward J. Odlum

1932

Edgar C. Ansaldi
Theodore H. Berard
Timothy D. Crimmins
Jan W. Dowgielewicz
Robert G. Driscoll
Bertrand R. Lanciault
Rocco LaPenta
Robert G. Leary
Charles S. O'Brien
John Osipowich
Francis M. Sullivan
Stanley W. Swipp

1933

William H. Clancy, Jr.
Harry F. Clarke
Edward G. Conway
James R. Driscoll
Joseph H. Fogg
Robert T. Goffin
Charles F. Griffin
Paul G. Guernsey
Philip C. Hurley
Harry T. Jensen
John T. Kane
Thomas F. McLoughlin
Frederick W. Menold
John J. Molloy, Jr.
Fred F. Nichols
James B. Rafter
John W. Rigney
Philip Tripoli

THE COSMOPOLITAN CLUB

"Above All Nations Is Humanity"

1929-1930 OFFICERS

President — Leon D. Skuropat, '32
Vice-President — John H. Porteus, '32
Secretary-Treasurer — Emanuel S. Athanasiades, '32

MEMBERS

FACULTY

Prof. Z. W. Coombs, Mr. C. K. Scheiffly, Dr. W. J. Jennings
Dr. G. H. Haynes, Dr. A. W. Duff, Mr. Paul R. Swan

1930

Alvar O. Ericson, Albert N. Nanartonis
Carmelo S. Greco, John E. Prohovich
Arthur A. Zavarella

1931

John A. Matusewicz, Joseph M. Silva
Mario Pagnoni, Oscar W. Tissari

1932

Eliezer Aronov, Armando E. Greco, Felix G. Pulaski
Emanuel S. Athanasiades, Benjamin L. Herrarte, John H. Porteus
Jorge N. Cardenas, Rocco LaPenta, Charles S. Risby
Stanley Q. W. Chin, Abram Leibovitch, Nicholas S. Sculos
Jan W. Dowgielewicz, Carroll C. Misener, Leon D. Skorupat
John Nizamoff

1933

Mansour S. Azzam, Anthony Kapinos, Onnie M. Petroman
Henry D. Dowgielewicz, Antonio P. Maggiacomo, John H. Tausch

THE AERO CLUB

President — John E. Fletcher, '31
Secretary — Linn M. Lockwood, '32
Faculty Advisor — Asst. Prof. K. G. Merriam
Honorary Members — All students taking the Aeronautical Course

MEMBERS

1931

Richard Fairbanks
Charles A. Kennedy
Mario Pagnoni

1932

Wells F. Bausman
Robert I. Belmont
Robert W. McMaster
Carroll C. Misener
James S. Nelson
Howard A. Offers
John L. Richmond
Lawrence J. Sarkozy
John R. Tinker
Clelan G. Winn

1933

Henry C. Ashley
Waldo E. Bass
Allen L. Brownlee
Leo Burwick
Arthur E. Glow
Paul G. Guernsey
Stephen S. Haynes
Mendel Holoff
David C. Hyde
Richard T. Merrell
Walter G. Ritcey

Founded during the past year, the Aero Club is doing a great deal to forward the interest in Aeronautics at Tech. Composed mainly of men in courses other than the Aeronautics Course, it spreads the interest in that subject among all men, and if the club continues as it has started, it is off to a great future.

KNIGHTS OF THE ROAD

Sir Most Illustrious Dark and Stormy Knight	Michael C. Sodano
Sir Silent and Dreamy Knight	John T. Tompkins
Sir Roller Shade, Preserver of Knightly Secrets	Joseph E. Totas
Sir Yeast, Raiser of the Dough	C. Eugene Center
Sir Veyor, Judge of the Itinerary	John E. Fletcher
Sir Soccer Ball, the Royal Bouncer	A. Edmund Greco
Sir Occo, Dispenser of Publicity	Harold T. Cutler
Sir Render, Knightly Advisor	Mr. C. K. Scheiffly

1930

Sir Cumference, Roscoe H. Bowers	*Sir Prize*, William J. Newbold
Sir Culate, David K. Bragg	*Sir Round*, Roy W. Puddington
Sir Cumvent, F. Dudley Chaffee	*Sir Geon*, Paul E. Reynolds
Sir Riped, William Graham	*Sir Plus*, F. Parker Smith
Sir Culation, Lincoln B. Hathaway	*Sir Cumstance*, Arthur F. Pierce
Sir Kit, Edward C. Milde	*Sir Mise*, Arthur A. Zavarella

1931

Sir Ten, Everett D. Collins	*Sir Rah*, H. Edwin Hosmer
Sir Up, Otis E. Mace	*Sir Raphic*, Carl E. Rylander
Sir Cular, Frank T. Green	*Sir Mount*, A. Francis Townsend
Sir En, Edward S. Coe, Jr.	*Sir Real*, Charles B. Walker
Sir Tificate, Charles A. Kennedy	*Sir Cul*, Allen C. Weissinger

1932

Sir Cus, Earl M. Andrew
Sir Loin, William Asp
Sir Face, Emanuel Athanasiades
Sir Lace, Lester Edgeworth
Sir Klet, Herman F. Hawthorne
Sir Casion, Linn M. Lockwood
Sir Cumflex, Arthur Peterson
Sir Cumspect, Donald M. Smith
Sir Cumflect, David Goldrosen
Sir Rebral, Cary C. Wilson

1933

Sir Cumstantiate, Louis J. Furman
Sir Cumfuse, George W. Nicoletti
Sir Cumnavigate, Alfred G. Parker

KNIGHTS OF THE ROAD

THERE was a time when the student attendance at Tech's out-of-town games was deplorably small. This was, however, prior to the organizing of the Knights of the Road. The club was first originated in the minds of R. Griffin De La Mater, an instructor more commonly known as just "Del," together with "Art" Le Clerc, '26, and other men. In 1924 they gathered together a few of the more loyal students and proposed the plan. It caught instantly and within a year the club was on a firm basis.

Among the first things that it accomplished was the revival of the mass-meeting. Plans of the routes to the various games were posted and credit was given for mileage travelled to games towards membership. Initiations were held each spring, men being pledged at some basketball game.

The qualification for membership may be stated in a few words, yet some find it difficult to attain. One must have travelled 500 miles to games by train or auto, or 250 miles by "thumbing." Initiations are usually held somewhere on the Hill and end up at Bancroft Tower sometime after midnight. They usually offer much amusement—to the members. A dark and stormy night seems to be much to the Knights' taste, at least for this ordeal.

It was the custom of the Knights in former years to give some short skit or bit of entertainment between halves at the basketball games. While it has been dropped during the past season, it is to be hoped that another season will see its revival for it contributed much to the interest shown in Tech basketball games.

THE RADIO CLUB

President,	H. A. Sorenson, '30
Vice-President	F. R. Kenyon, '31
Secretary-Treasurer	R. J. Libby, '31
Chief Operator	C. T. Smith, '30

STARTING on the second decade of its existence, the Radio Club passed through an active year in 1929 and 1930.

Made up of not only men taking the Electrical Course, but fellows from all other courses on the Hill, the Radio Club represents a large portion of the student body and indicates an active interest in this field.

A good number of its members have commercial operators' licenses which bring fruitful summer positions as operators on merchant marine boats.

THE CAMERA CLUB

President — Newell Lloyd Clark, '33
Secretary-Treasurer — Ralph H. Gilbert, '30
Faculty Advisor — Prof. C. J. Adams

THE first place to look for any missing Camera Club member is in a dingy little two by four closet off the first floor of the M. E. Building that is dignified by the name "darkroom." For, while the club does not number very many on its roll, those who do belong are enthusiastic about their avocation and are ever practicing it.

This year, as is its annual custom, the Camera Club sponsored a competitive exhibit. While most of the pictures on display were campus views, many were photographs taken on vacations and inspection trips, proving that there are at least a few students in the school who value the beautiful as well as the practical things of life.

SANFORD RILEY HALL

DORMITORY COMMITTEE

FACULTY

PROF. H. A. MAXFIELD — MR. C. K. SCHEIFFLY

JOHN E. CHURCH, *Chairman*

KENNETH E. GLEASON — EMIL C. OSTLUND

IRVING J. GARTRELL — WESLEY B. REED

JOSEPH H. FOGG — JOHN C. SPENCE

HENRY J. BURNETT, '31

THE "Dorm" Committee performs a two-fold function. The first and foremost is that of managing student affairs and relations and maintaining law and order in Sanford Riley Hall. Not as a set of policemen, but by quietly inducing cooperation from the residents, that purpose is effectively fulfilled. Its second function is of a social nature. The annual "Dorm" Dance is held under its supervision. This year, although the affair conflicted with the fraternity "hands-off" period following Rush Week, it was by all accounts a success.

THE C. E. SURVEY

PILE 5. 1930 PAIL 16

A.S.C.E. ENDS SEASON WITH BANQUET PROFESSOR KNIGHT IS TOASTMASTER

As the Civil Sees the Electric

CIVIL ACCEPTS POSITION AS RESEARCH ENGINEER

Rumor has it that one of our prominent Seniors has accepted a position in the experimental department of the Ritz Laboratories of White City. The fortunate student, who is so modest as to have requested that we withhold his name, is going to make a complete study of jointed pin-supported structures under indeterminate loading. According to our hero, these structures certainly have their *moments*, both resisting and non-resisting. Since he has had them under observation for four years, he has been, and is in a position to know.

TO SUBSCRIBERS

The C. E. Survey is a blackboard publication, published spasmodically during the college year by the Senior Civils. Pile 1 was issued in 1926 and, since that year it has enjoyed (?) a continuous existence. While it has been severely criticized because of its frank and unprejudiced editorials, it will continue to exist as long as there are students to publish it.

Once again the local branch of the American Society of Civil Engineers has demonstrated that it is the most active and outstanding student engineering society on the "Hill" by finishing up the season with a Banquet. This custom was started a year ago and bids fair to become an annual affair. The attendance this year was nearly one hundred percent of the Sophomore, Junior and Senior Civil divisions. Professor Knight was toastmaster.

The affair was held on Tuesday, May 20, at the Sanford Riley Hall. The entertainment was provided by John Wells, who gave a talk on "Civil Life at Tech," which was illustrated by a number of lantern slide cartoons drawn by Carl Rylander. Following this, Professor French and President Earle spoke a few words. The principal speaker of the evening was Mr. Brooks of the Worcester Sewer Department.

The branch of the A. S. C. E. was started as a local society in 1903 and became affiliated with the national association in 1921. It boasts a continuous existence throughout the entire period, credit for which is rightfully due Professor French who has been an active member of the club from the beginning.

The officers of the association are:

President, Myrton B. Finney, '30.
Vice-President, Oliver Underhill, '31.
Treasurer, George Marston, '30.
Secretary, Edward Bayon, '31.

The Committee in charge of the Banquet was composed of two members of each class. The Senior members were Stanley Fillion, chairman, and George Marston; the Juniors were Carl Rylander, and Oliver Underhill; and the Sophomores were James Leach and Paul Nelson.

CHUCKLES TWENTY YEARS FROM NOW

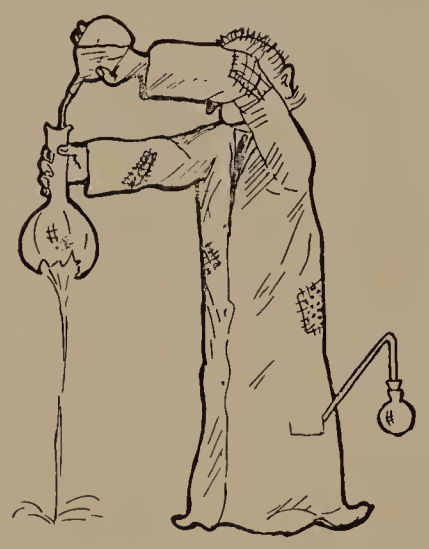
"Shrimp" Knight: "Where's that wild-eyed Schuka?"

"Pa" French: "How's the sleeping back here, Wells?"

"Mac" washing dishes at Jerry's party.

Fillion losing ten feet at Chaffins.

"I'm a Dreamer," sung by Hart.



As the Civil Sees the Chemist

OFFICERS OF THE C. E. SURVEY ASSOCIATION

Chief Riveter, "Stan" Fillion.

Chief Draftsman, Carl Rylander

Advertising Mgr. and Poet Laureate, "Johnnie" Wells.

Obituaries, "Pa" French.

Scandal Sheet, "Jasper" Stearns.

Foreign Exchange, Wittie Schuka.

Press Correspondent for the Scavenger Dept., Paul Anderson.

Beauty Hints, "Cupid" O'Grady.

Agricultural Dept., "Russ" Barnes.

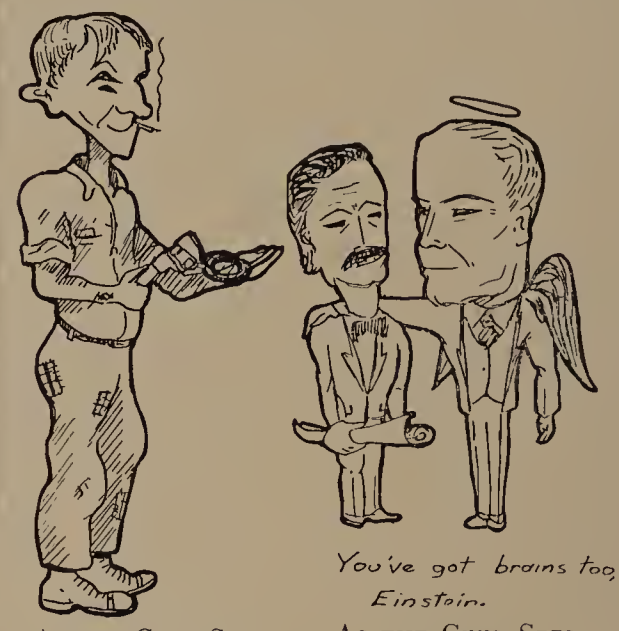
Tabloids, George Marston.

"Dan" O'Grady as Mr. York Beach.

"J. B." collecting $10.00 for a dented fender on the "Ark."

"Jerry's" quizzes.

"Shrimp" trying to flood the skating rink with a garden hose.



As the Civil Sees the Mechanic

As the Civil Sees Himself

Anderson assaulting Hart with ninety-pound testing machine rider.

Ericson: "Ay joost cum ofer."

Hollick's nurses.

Schuka and Stearns taking their involuntary bath at Chaffins.

Erkkila and his stories—and what stories.

Whittum's maps.

Wells losing eight feet in elevation at Chaffins.

Schuka and the Ritz.

Schuka and the skunks.

LINES TO P. O. A.

We've never seen a man more bent
On hot dispute and argument;
We've never seen one show more liking,
For these, than Anderson, the Viking.

We always find him pertinacious,
Violent and contumacious,
Full of Swedish aphorisms,
Apophthegms and syllogisms.

And so at length we've all agreed
That when one argues with this Swede,
The surest way, the best by far,
Is with an arbitration bar.

JOKE COLUMN

Physical Education I

Physical Education II

Physical Education III

Physical Education IV

EDITOR'S NOTE

We are extremely sorry to annouce that the much celebrated life story of Daniel F. O'Grady which was to have appeared in this pile has been so mutilated by the censors that it is no longer worth printing.

As "Pa" French Sees the Civil

ADVERTISEMENT

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Model No. I. O. U. 1

Slip your frame into one of our Super Shrunk-on Shapers and surprise your friends. We guarantee that this is the only shaper on the market having these new features:

1. Full Web Stiffening.
2. Counter-braces for big Moments.
3. Adjustable Upper and Lower Chords.
4. Spiral Easement Curves.

We further guarantee that this shaper will reduce the most amorphous and intractable form to lines of sylph-like grace and beauty.

This is absolutely the same model as that worn by the President of our concern during his sensational triumph in the Beauty Contest at York Beach, Maine.

O'Grady & MacArdle, Ltd.

AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS

W. P. I. STUDENT BRANCH

OFFICERS

Chairman	EDWARD C. MILDE, '30
Vice-Chairman	JOHN W. DAVIDSON, '32
Secretary	CARMELO S. GRECO, '30
Treasurer	WILLIAM A. MCALOON, '32
Faculty Advisor	MR. ERNEST W. STARR

PROGRESS in the electrical industry has quadrupled in a decade. Underlying this progress is the work of the electrical engineer. Great undertakings have been successful because men of many minds have worked together and shared their knowledge.

The acquaintance, the contact between men, the interchange of ideas, the presentation, discussion, and publication of papers, the formulation of standards and codes, the advance of ideals, the cultivation of the spirit of co-operation, and the inspiration which gives vision and incentive for new effort—all are found in the American Institute of Electrical Engineers.

To bring to the College Student the advantages offered by this large organization, and to prepare him to carry on its work in the future, is the purpose of the Student Branch.

The Branch holds meetings monthly, at which time students, members of the faculty, or engineers of national repute are called on to speak. This year several inspection trips have been included in the program. The Fire Alarm Station at Park Avenue, and the American District Telegraph Burglar Alarm System were inspected. Both trips were very successful and it is hoped that this practice will be continued as it possesses great instructional value.

A joint meeting with the Worcester Section was also included in this year's program. Thc details of the meeting and the papers presented were arranged wholly by the students. The success of this meeting is in itsclf evidence of the value that the Branch offers to the student.

THE PILGRIMAGE OF THE FOLLOWERS OF THE TRUE FAITH

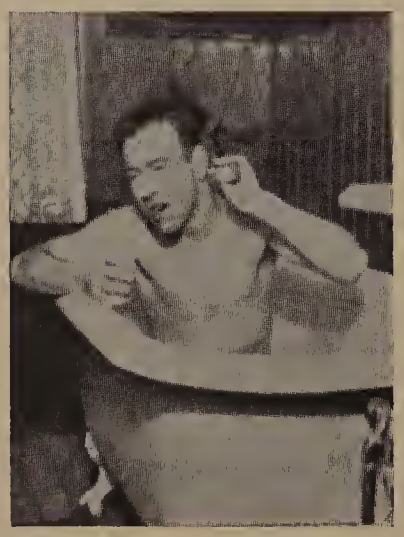
Let all of the True Faith give ear, for the Scribe writes of the time when the Believers were first separated from the Infidels and Unbelievers.

It was the time of the Pilgrimage to the land of the NEPCO, a strange People who bind their Lands with copper Wires and cause the Rivers to turn great Wheels.

The Followers, having gathered many Camels and assembled several Chariots, some of questionable ancestry and appearance, and others which ran truly, did set out in the early Morning. With the Followers, there were also three Prophets; for is it not written in the Book that to gain from any Venture there must be Prophets? (local chapter No. 298, was 300). There were also several Sheiks among the Followers. The Prophets were men learned in the ways of the NEPCO and were to explain the many things which the Followers saw without understanding, and looked at without seeing. An Inhabitant of the land of the NEPCO might have been excused for thinking the Followers the source of Knowledge if he had seen the Questions asked by the Prophets of the Followers.

These Questions propounded by the Learned Ones were of that variety of species to be answered by a Yes, or No. Truly a Device for torturing the minds of Students of Probability. The Learned Ones did not allow space for the answer "I don't know," thus removing the possibility of a Follower attaining the Perfect Grade.

The method of acquiring Knowledge by means of these Questions is like unto that of the Barnyard Fowl in acquiring Water to quench its Thirst. The earnest Followers first look downward at the Parchment and then quickly upward to the Skies or whatever may intercept their gaze in that direction.



One of the Prophets

Certain Followers, having little appreciation of the true Hospitality of the Land, and being great believers in Signs and Portents, did set about their gathering. Allah Be Praised! The Portraits were all fastened securely but the Signs suffered severely.

Here endeth the work of the Scribe, whose endeavor has been to awaken the Memories of the Followers of the True Faith and not to reconstruct Detail. To One who would find a Moral in this:— Let Him Hunt!

AMERICAN SOCIETY OF MECHANICAL ENGINEERS

W. P. I. STUDENT BRANCH

OFFICERS

President	CHARLES L. WRIGHT, '30
Vice-President	F. PARKER SMITH, '30
Secretary	WILLIAM J. PEARSON, '31
Treasurer	CARL G. NORDMARK, '30

THE local section of the A. S. M. E. enjoyed a most successful season during the past year, and shared in conjunction with the Worcester Branch, which is affiliated with the other engineering societies in The Worcester Engineering Society, the privilege of hearing oustanding speakers and seeing feature films dealing with interesting subjects.

The monthly meetings, due to the hard work of the officers, kept the interest of the members of the department on a high plane, and much was accomplished by way of giving the men an insight into both the generalities and details of their chosen profession.

That little band of selected men, the Aeronautics, became imbued with the spirit of its leader, Professor Merriam, and worked itself up into a high pitch of enthusiasm during the year. Although the men taking that course were perhaps not directly responsible for the founding of the Aeronautics Club, every man is deeply interested in it, and Professor Merriam here, too, gives of his time.

THE DURTY MECHANIC

A MOST EFFICIENT PAPER (SEE GEBHARDT)

Published every four years in defense of perspiring Mechanics

EXTRA Dirty Work Afoot At Worcester Tech EXTRA

CARLOS DISSOCIATED PRESS:—With some trepidation and inward qualm your reporter hesitated at the door to the office of Professor Roiz, Head of the Mechanical Engineering Department of that ancient and honorable Institution of learning, to wit the Worcester Polytechnic Institute. After a few anxious moments, the kinetic energy of my Adam's Apple reached a sufficiently high value to overcome

the inertia of my collar button, and at this crucial and inspiring moment I bravely knocked at the office door.

"Come in" issued in stentorian tones from within the office.

I opened the door with alacrity and stepped within. Prof. Roiz, known to his most affectionate acquaintances as "Spider", was seated before his desk which was covered with papers and paraphernalia of every description. At my entrance he looked up uncertainly from his work and asked me to be seated.

The noble face of Professor Roiz bore a look of sharp distress, his clothes were awry, his tie askew,—in short he appeared a man on whom misfortune had fallen with a resounding clap.

"Woe is me" the professor exclaimed in broken tones. "After all the hopes and trust I had placed in the Mechanics of 1930, a Judas lurks within them. Oh dear."

The professor stopped long enough to light a long black cigar and went on.

"It was only last week that a terrible misfortune occurred. Our esteemed Professor Bun, at the conclusion of his class in High Powered Engineering, missed his stop watch. It is his wont, dear fellow, to clock the slow members of his class by this piece of machinery. The culprit has not yet been discovered. Suppose we call in the members of the Department, and profit by their wisdom."

In a few minutes the members of the Department filed into the office in answer to the summons. Professor Roiz then questioned each of them as to what theories he had to offer on the disappearance of the watch.

"I am of the opinion," declared Professor Smythe, "that all members of the Department should hand in their answer on a slip of paper, and that these papers should be examined twenty years hence."

"There's no theory in that," said Professor Reyde. "I vote that we drop the matter."

"Now see here, folks," piped up Professor Maculla, "I propose that we gather all our data on the crime and plot it by the method of least work."

At this tense moment, Professor Bun himself took out his piccolo and began to sadly play that melancholy tune, "When I Was Down at Georgia Tech."

"Let us have order," cried Professor Roiz, "I propose that we call in the suspects."

One by one the Mechanics of 1930 were called before the Department. Willyum Newboldt was the first man to be examined.

"I deny all knowledge of the affair," said Red. "During the time of the crime I was deeply engrossed in a special problem involving the comparison of heat values of peanut oil and Worcester County Coal."

"I stand witness to Mr. Newboldt's statement," said Bob Bennett. "I ought to know because Newboldt delegated to me the task of doing all the work."

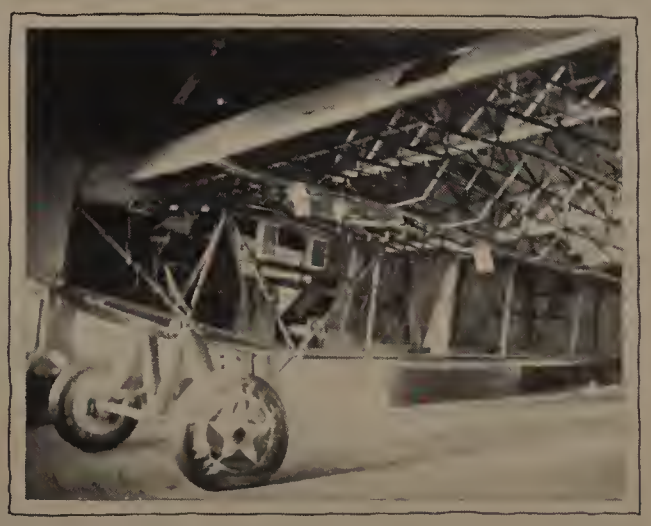
"I deny all knowledge of the affair," said Walter French, holder of many hiking records at W. P. I. "I have never seen a stop-watch in all my life."

"I have a distinct aversion to stop-watches," said George Perreault. "I prefer my watches to run."

"It couldn't have possibly been us," said George Crossley and Roger Griswold in unison. "We were at that time helping Doc Corbin to put some particularly important data in form.

"WE proclaim ourselves innocent of the dastardly deed," came in unison from the throats of Cooky Price, Charlie Wright, Husky Davidson, Joe Tawter, Gus Nordmark, Gypsy Smith, Norm Shaw, Herb Davis, Count Baron and Corona Smith.

And even to this day the dark mystery of Professor Bun's stop-watch remains unsolved. Let us now examine Professor Smythe's paper slips.



THE SKEPTICAL CHYMISTS SOCIETY

Affiliated with the Northeastern Section of the American Chemical Society

OFFICERS

President	DAVID D. KILEY, '31
Vice-President	CLARENCE M. ALBER, '31
Secretary-Treasurer	JOHN M. PETRIE, '29
Councillors	E. V. HASKELL, '31
	GUSTAV E. MANGSEN, '31

THIS year marks the thirteenth successful year for this society. When the society was organized its primary purpose was to acquaint the students of Chemistry with current phases of their subject and to urge a reading of current literature. The society chose for its patron saint, Robert Boyle of the 17th century, the man, around whom chemistry as a science revolves, and to whom is granted the starting of philosophical reasoning and the discouragement of alchemical and medicinal ideas in regard to the subject of chemistry.

It was made a rule at the very beginning that in order to become a member in the society the candidates had to address the group on something of interest in the current chemical industry and to attend at least two-thirds of the society's meetings during a school year. This plan has been handed down to us and is still in vogue.

After each address, the subject is opened to discussion, in which the professors, particularly Dr. Jennings and Dr. Butler, take an active part, oftentimes mentioning some humorous feature or some colorful sidelight connected with the subject.

On two occasions this year a somewhat novel idea has been tried out with a marked degree of success. Instead of having the customary two or three speakers giving addresses on widely different topics, one topic was made the subject of discussion for the whole evening, two or three men handling the various phases of the subject in conjunction with a motion picture. This type of program seemed to net better attendance than that of a variable nature which has been prevalent in the past, and it is urged that more of them be considered for future meetings.

THE FAMOUS TEA PROBLEM FOR CHEMISTS

THE success of each graduating chemist and chemical engineer is dependent upon his ability to solve the following problem. It involves only "simple arithmetic" and is therefore very difficult because as you all know and have heard many times, students entering Tech are assumed to be very deficient in this respect.

The Problem—

If three ships, loaded with cargoes of tea from Ceylon entered Boston Harbor and were boarded by 500 Boston citizens, attired as Indians, who proceeded to dump the tea into said Boston Harbor at the rate of one box per minute per Indian, "assuming" that each box contained 100 lbs. of tea and "assuming" that each Indian was a member of the union and rested every five minutes, calculate the number of cups of tea per million cups of water which were floating around in Boston Harbor at the end of an hour. Suppose that a previous analysis of the water in Boston Harbor showed it to be "unfit for drinking purposes," it containing 50% salt (note:— % here equals parts per hundred) and B. Coli in an amount of 700 per cubic centimeter; on the basis of the above data and calculations design and equip a plant for the recovery of the tea, for the removal of the salt as a by-product, and for the purification of the water for the use of Boston citizens for drinking purposes.

Information leading to the solution of this problem should be available in the raft of data, "taken down for reference" in Dinney's courses. Also there are various "logical assumptions" which can easily be made by which its solution will be greatly facilitated.

If you fail in the solution of this problem, your disappointment will perhaps be relieved by answering the following questions to your own satisfaction.

Who broke the mercury bulb to the hydrogen explosion pipette?

Why are chemists classified as bulls in a china shop?

Is percent parts per hundred or parts per hundred and ten?

Why CH_2O is not sea water?

Why Tate always dropped a valuable determination to catch a worthless beaker tossed to him?

Who won the wrestling matches in the Organic Lab?

Why does Zavarella enjoy arguments with the "Profs"?

Who's got Wade's 10cc pipette?

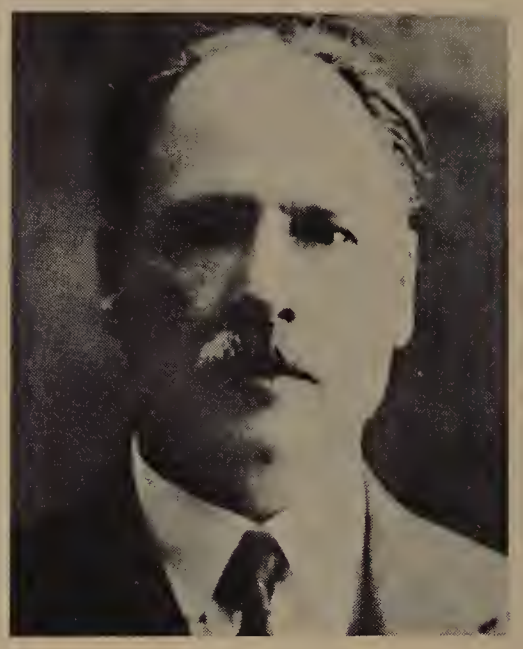
Who put ether in everybody elses hip pocket?

Why Ashton mixed music with chemistry?

EVENTS

THE HENRY J. FULLER LECTURES

DR. ARTHUR E. KENNELLY



DR. WILLIAM E. HOCKING

EIGHT men prominent in engineering, art, and religion appeared this year as the Fuller Lecturers. The first was given in October when Dr. Arthur E. Kennelly, Professor of Electrical Engineering at Harvard University, spoke on the occasion of the celebration of Light's Golden Jubilee on his experiences in research work under Thomas Edison, giving many interesting and instructive recollections of his associations with the great inventor.

Thomas Edison was born in 1847. His father was a vigorous, strong and very jolly fellow of good hardy farmer stock, while his mother was a school teacher. She died when Edison was very young. Mr. Kennelly expressed the belief that she was very brilliant and that Edison inherited many of his intellectual traits from her, while from his father's side, the hardiness of his people.

At first Edison had a slight schooling, but later he was taught by his mother. Edison says at the age of twelve he was generally at the bottom of the class, but one must always take Edison's speeches about his own achievements with a grain of salt. He never lost himself or he never attempts to boast or exaggerate his own abilities. About the age of fourteen, after getting schooling from his mother, he went as a newsboy on the railroad. Even on the train he ran an experimental laboratory with the result that one day an explosion there produced a conflagration sufficient to stop the train. The baggage man was so enraged with young Edison that he cuffed him severely and threw him across the tracks. The result was that Edison's ear drum was broken and for many years he was hard of hearing and

at the present is almost completely deaf. He has been trained with the philosophy that his deafness has been a blessing to him because he can pursue his own thoughts and ideas uninterrupted. When he saved the life of a little child, who was the son of a telegraph operator where he worked, by rushing to the tracks and throwing the boy out of danger, just in time to save destruction, the telegraph operator was so grateful that he insisted upon teaching young Edison the Morse code. Edison became, in spite of his severe deafness, a very fine operator. He developed telegraphic inventions and showed telegraphic ability.

In 1876 he moved to a little laboratory in Menlo Park and there with mechanics and assistants he set up as a regular inventor. He has never claimed to be a learned man of science, but an inventor, and that he is, of the very highest grade. He was driven by a sort of demon of invention to invent at all times. He always carried with him a pad of yellow paper as memorandum sheets and on trips he would take out this pad and make notes, in the middle of meals or whenever an idea occurred to him. He never hesitated to put down an idea of whatever seemed to him a possible useful invention. His working theory and his philosophy might be put down in scriptural phrases, "Try all things and put down that which is good."

This inspiring talk was followed in November by an address by Mr. Walter L. Clark, vice-president and general sales manager of Niles, Bement, Pond, Pratt & Whitney Company. He spoke on "Art and Engineering," relating his experiences in the engineering world and telling of the many difficulties that the young engineer must expect to encounter. "Know your friends," was his advice, "and get those able to guide you and give you the foundation you need. Do not undervalue yourself; on the other hand do not overdo it, but have a good opinion of yourself. People are very apt to take young men at their own valuations. Just tackle a job and get away with it somehow or other. It takes nerve on big jobs and do not doubt whether you can do it or not—try it anyhow."

Speaking of art, Mr. Clark defined it as "Beauty made by man. It is the foundation of civilization. In commercial art, a design that is beautiful is bound to attract attention and the machine will be popular and successful. Beauty has a great commercial value. Prettiness is not art for in the latter the creator must put some of himself there—the divine spark in him must come out and be expressed."

In December the student assembly heard an address by Dr. William E. Hocking of Harvard University on the subject "The Morale of Working Groups." At the beginning of his talk Dr. Hocking expressed the opinion that engineering makes the great difference between the Orient and the Occident. Anyone who travels in China or Japan realizes that engineering is the outstanding traditional difference between our two great civilizations. "Every man belongs to a series of groups. There is no man but what belongs to a half dozen, and in each you will

L. J. BELNAP

find morale. It is an intangible thing we all feel, and it has made a great deal of difference in the practice of all professions. In the military field morale became recognized in the nineteenth century. Napoleon was the first to pick out its importance when he said, 'In war, the moral is to the physical as three is to one.' In industry the same thing has been found. The chief ingredient in morale is belief in the job you are doing at the time. It is a belief that it is worth doing and worth putting your best work into. Work on your problems as though it were a matter of life and death. Every job is drudgery, and every job has its drudgery. In teaching it is marking papers and in engineering it is working over a problem many times without results at first. Every job has that element of slavery which we Americans want to take upon ourselves. Another trait of a good engineer is a sense of humor. If you haven't a sense of humor, acquire it.

"Loyalty is a necessity to the engineer. Loyalty is the capacity to identify yourself sincerely with the objects of the group to which you belong. The aims of that group are the same as your own personal aims. Give more than you expect and you will receive hundred-fold in return."

"Industrial Reconstruction" was the subject of the fourth Fuller Lecture, given by Mr. L. J. Belnap, president of the Worthington Pump and Machinery Corporation. "The reason for many industries needing reconstruction is that they are not successful. By that is meant that they are not making profits. You can achieve developments in industry and yet not achieve success." In his address, Mr. Belnap urged technical students to become proficient in modern languages, for America is becoming an exporting nation and there is a great field in foreign trade.

Another important item of this address was a discussion of the financial division of a

PROF. C. M. NEWCOMB

plant. "It is very important that the executives know their cash balances. The manager must be just as much interested in sales as the sales manager because he cannot hold the organization together unless he has sales volume."

The largest assembly of the year gathered in the Gymnasium in February to hear Professor Charles M. Newcomb lecture on the "Psychology of Laughter." Professor Newcomb is executive secretary of the Cleveland Industrial Association, former head of the Ohio Wesleyan University School of Oratory, and a noted lecturer on various phases of applied psychology.

THOMAS EADIE

Professor Newcomb stressed laughter as the momentary escape, declaring that "laughter is our safety valve. It is an escape from the social rigor to primitive freedom. It is a necessity, not a luxury. It is a necessary thing to prevent more serious outbreaks. It is the normal way to preserve our equilibrium and we should laugh much."

Professor Newcomb commenced with the remark, "The other day I came across a statement to the effect that if all the after dinner speakers in the United States were placed end to end,—how nice that would be." The speaker claimed that Eve was the inventor of the "loose-leaf" system; that the first clearing house was when Pharoah got a check on the Red Sea; that Pharoah's daughter was a great financier because she took a little prophet from the water; and that Noah was a great inventor and financier because he successfully floated a company when the world was in liquidation—he had all his friends take stock in the Ark.

DR. SHAPELY

"Our mental life rests in the thing we call instinct—in the ages past a man started to take something that did not belong to him and then he didn't. And why? Because something inside himself told him not to, and that was the beginning of civilization. Civilization, therefore, is the history of checks on the primitive in-

stincts. It is a complicated system of social restraints. When you analyze it, civilization is made up of a great complicated system, laws, customs, fashions, traditions, inventions, etc. These are all checks on instinct. Laughter is one of the provisions of nature to relieve tension for the relief of strained emotion.

"To produce laughter there must first be a violation of the established order of things, but we do not laugh at serious violations of this law. The fat man falling down on the ice is funny only so long as we know he isn't hurt, but if we do not see him get up promptly we immediately become concerned. We must know what the law is that was violated in order to laugh. Physical slips or lapses from natural law, slips in language, dialects and double meanings, plays on words, wrong meanings, or misunderstandings, and in particular, the inadvertant slip, please us.

Most characteristic of American humor is exaggeration. As an illustration Professor Newcomb told the story of a young couple who wished to be married and made this known to the minister, who agreed to perform the ceremony at the conclusion of the day's services. When devotions were over, the minister announced that anyone wishing to be married might step up to the rail. One man and thirteen women stepped forward.

In summing up, Professor Newcomb said, "The social development of mankind has come about through the inhibitions of primitive impulses that were thought harmful to the social order. This restraining of one's self involves the constant use of powers of attention and concentration, and results in mental fatigue. The simplest form of relaxing this tension is laughter—it helps to pre-

DR. G. G. GILKIE

serve the psychic equilibrium. It is of real value as a means of rest and relaxation from the tension of daily life—it is the shock absorber. It is the spring that takes up the jar and enables us to stand the pace of civilization. It is the oil in the crankcase—the lubricant of life."

Thomas Eadie, the diver hero of the S-4 and S-51 raisings, gave a gripping talk of the principles of diving and of his experiences at the March lecture. Mr. Eadie said at the beginning that he was a diver, not a speaker, but as he warmed to his subject, his listeners believed he could be both.

"Divers must be small, slim, wiry and possessed of a good deal of strength," he said, as he stooped to nonchalantly lift, with two fingers, a hundred-pound diver's belt for exhibition. "Fat absorbs nitrogen more readily, and so this type of man is more subject to 'the bends.'"

Commenting on frequent questions concerning fish, he stated that sharks are cowards, and only haunt sunken ships because of the food represented in the dead bodies. Mr. Eadie stated that divers have the advantage over ordinary fishermen. *They* have to wait for what they can get, while we can take our pick as they swim by."

Illustrating the conditions imposed by water pressure, he pointed out that the pressure on a man's body increases one ton for every two feet of depth to which he goes. At the greater depths, if one's air supply is cut off, the pressure may literally force a man up into his non-compressible helmet.

Mr. Eadie gave several examples of the humorous but perfectly serious suggestions proposed for giving the men in the S-51 air for their lives. One was about as follows. Put a large quantity of flowers in the submarine. Turn on the lights, and if possible, the sunlight. The flowers will grow and give off oxygen, thus keeping the men alive!

At the April assembly, Dr. Harlow Shapely of Harvard was the lecturer. He dealt with "Practical Astronomy for the Engineer" in a way calculated to bring home the outstanding points of this fascinating subject to the everyday engineer.

He dealt with the progress of scientists in classifying known divisions of matter, going from subelectronic structures and microcosms up to the universe itself.

Man, he explained, is a colloidal aggregate and as such appears as a small subdivision of the earth division to which he has assigned the rating zero. This rating, he jokingly remarked, might be of greater appropriateness than he knew. Man is by no means the zenith of matter, as there are thirteen classifications above him. These are, in order of increasing size and complexity, meteors, satellitic systems, planetary structures, stars, double stars, galactic clusters, galaxies, supergalaxies, metagalactic systems, cosmoplasma and the universe.

The last assembly was sponsored by the Y. M. C. A. Cabinet, which obtained Dr. Gordon Gilkie, who gave a most interesting talk on "Making the Most of One's Ordinary Abilities."

THE ROPE PULL

1932 vs. 1933

IT WAS a day made especially for rope pulls; the wind ruffled the waters of Institute Pond; now and then a cold drizzly rain fell, the huge crowd shivered in its fur coats and mufflers while shouting words of advice to the favored teams. The Sophomores were grimly determined to be a "dry" class, while the Freshmen were ready to scrap as only Freshmen can scrap.

"Dig in," was the signal for dirt to fly and in a few seconds each group was anxiously awaiting the pistol shot. The gun barked—a few wild preliminary surges which only took up the slack and each class settled down to its regular "Catch, catch, heave," striving to catch the other off balance.

The end of the half hour time limit drew nigh and there was no apparent change in the position of the white cloth designating the middle of the rope. Both teams heaved valiantly but without effect and a five-minute overtime period was announced. Captain "Fred" Whitford begged and pleaded with his men to give their all while Captain "Tom" Hyde of the Freshmen, almost with tears in his eyes, urged his stalwarts onward.

And onward they went, or, to be truthful, backward with the rope, so that finally the Sophomores plunged into the murky waters to the pond to the great delight of the crowd and the even greater delight of the happy Freshmen.

THE TECH CARNIVAL

FRIDAY, DECEMBER 13, 1929

"FRIDAY the thirteenth" held no terrors for Ralph Hodgkinson and his Carnival committee this year. Although the day dawned wet and slippery and became even wetter and more slippery at eventide, Tech students and their friends crowded the Alumni Gym nearly to overflowing.

The Glee Club opened with several selections, and when the curtain was raised for the Freshman Skit, everyone's curiosity was aroused. Television, befitting such engineers, was the topic, and if some of the older members of the College had had any inkling that such a startling invention was in use, they would certainly have used more discretion in their acts. Present-day tabloid policies were used by the Frosh to present choice bits of scandal, and the use of figures silhouetted against the screen was novel.

The Class of '32, in their competition for the "Y" cup, presented episodes from their lives as "Rambling Wrecks from Worcester Tech." The main wreck was one old Ford, which could fall apart easier than any seen in the slap-stick movies. The theme song of the production was that old favorite, "I'm a Rambling Wreck from Worcester Tech," rendered in a somewhat unsynchronized version by piano and quartet.

TECH SHOW

MAY 8 AND 10, 1930

A MYSTERY play "The Mystery Man," was staged by the engineers on the evenings of May 8 and May 10 at Horticultural Hall, and was thoroughly enjoyed by a large audience. The play was released for amateur production only a short time previous and so it was entirely a new tale. It was well acted and a great deal of credit is due Mr. John P. Heald, who has coached Tech Shows for the last five years.

The plot centers around Alice Prince, played by Emerson Holter, and Bob Wheeler,—Leonard Dunn, who are to be married on the day following the opening scene. The first scene takes place in Bob's apartment at midnight. He has just returned from his wedding eve celebration which had been a stag party, and was feeling rather unsteady. He expected his best man, Phil Jones, played by Sumner Hall, to arrive that night from Chicago and so when he enters the room and sees a man lying on the davenport, he concludes it is Phil and jokingly tries to wake him up. He finally gives up the task as hopeless and calls in one of his neighbors to drink a final toast. Dan O'Grady, as Tuttle, responds to the invitation and he discovers that the man on the davenport is not Phil Jones and that he has been murdered—shot through the heart. They notify the police who quickly respond.

The plot becomes more complicated and when the police arrive and begin investigations nearly everyone is implicated. It surely looked like a tough case for Inspector Harrison, played by Cary Wilson. Tuttle suspiciously skips out by faking a telephone call and is suspected. Bob's fiancee then phones and Bob, upon orders from the inspector, asks her to come over. This phone call puts Alice in a questionable position and she is closely questioned upon her arrival. A handkerchief initialed "A" was found near the body and this seemed to confirm the suspicion against Alice. A woman's heel print was found in some ashes in a nearby fireplace and upon examination showed they were not similar to the heel print of Alice's shoes and so she was released. Phil Jones had arrived from Chicago earlier in the evening and had gone to see the bride-to-be before going over to Bob's. When he went to visit Bob, Alice and the maid accompanied him. In the apartment they had met a stranger and Phil admitted that he had had words with this man finally breaking a vase over his head. To protect Alice, Phil confessed to the murder, but this did not stop investigations.

As the whole cast is on the stage being questioned, the light is suddenly put out and amid the confusion a shot is heard. After some commotion the lights are put on again and nothing appears amiss at first, but on demand of Harrison the group lines up for searching. One does not move, however, and that is the maid

of the Prince household. She is known as Evelyn Wells and this character is played by Onnie Petroman. She sits motionless in her chair and on examination it is found that she has been murdered—shot through the heart as in the previous murder in that same room. As Tuttle and Mr. Prince, played by William Drake, were the only ones in a position from which a shot could enter the murdered woman's body at the spot where it had, they were accused of the murder and placed under arrest.

A private talk between inspector Harrison, Mr. Prince, and Tuttle cleared the whole matter up. The murdered stranger was Mr. Prince's brother, and Alice's real father, who had been a worthless man and had left his wife, the murdered woman, when Alice was a baby. Unable to provide for the child Alice's mother, Evelyn Wells, had sought aid from her husband's brother, Mr. Prince. He adopted the child and took its mother into the house as a maid under the condition that Alice never learn of her real parentage. Nothing had been heard of Alice's real father for years until a week before the double murder. The occasion was a blackmail letter to Mr. Prince demanding payment of a sum of money, threatening to tell Alice the secret of her parentage unless the demand was met. Evelyn also received a letter from the same source demanding her cooperation in the deed. When he failed to get the money however, he went to Bob's apartment to disclose the secret to Bob. Bob was not in and so he decided to wait. Phil, Alice and Evelyn met him there and after the scuffle between Phil and Alice's unknown father, Phil and Alice left. They had previously dismissed Evelyn, the maid. The latter had hid in the hall, however, and after Phil and Alice had left, she stole back into the room and murdered her husband in order to keep her secret from her daughter. The second murder was a case of suicide. Evelyn had been suspected, for her heel print was that in the fireplace, and to clear the whole thing up quickly she had taken her own life.

Comedy was introduced into the play by William Pearson, taking the part of Detective Clancey, a rather stupid fellow. Togo and Yogo, two Chinese characters, were portrayed by Stanley Chin and Emil Ostlund. Dr. Osburn was played by Frederick Whitford and Harold Cutler took the part of Anson, the elevator man. Dixon, a cop, played by Lenges Bull, completed the list of actors.

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NEWMAN CLUB DANCE

HOTEL BANCROFT BALLROOM—MARCH 3, 1930

"Hughie" Connor's Bancroft Orchestra

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SANFORD RILEY HALL—MAY 29, 1930

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DORMITORY DANCE

SANFORD RILEY HALL—FEBRUARY 20, 1930

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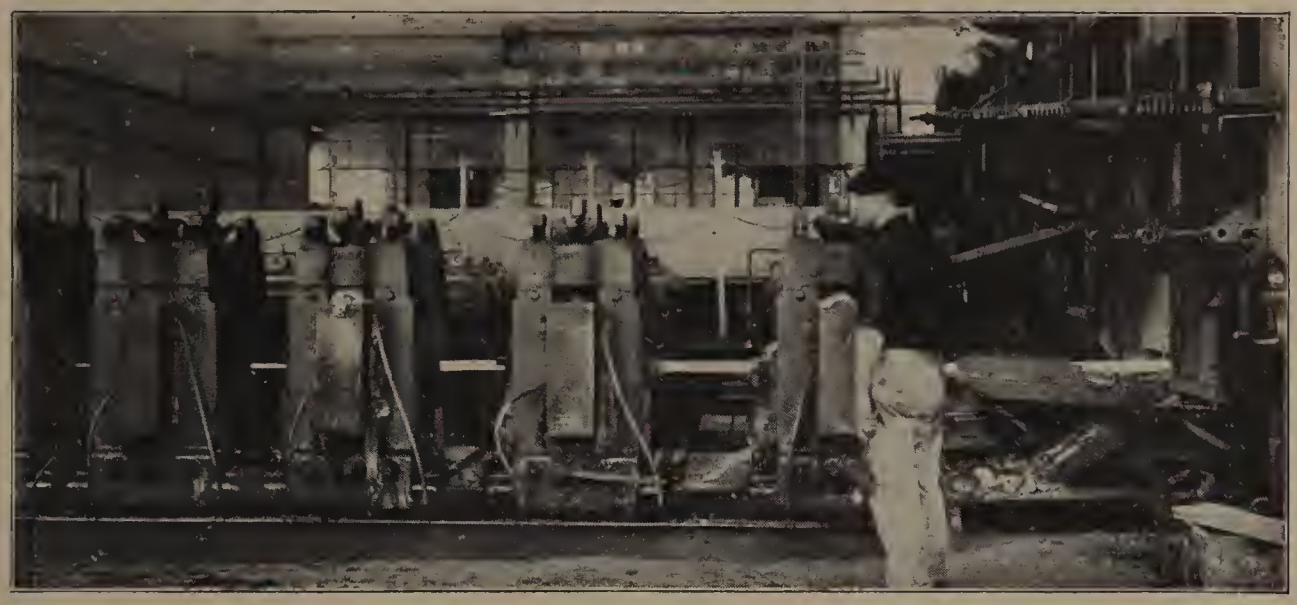

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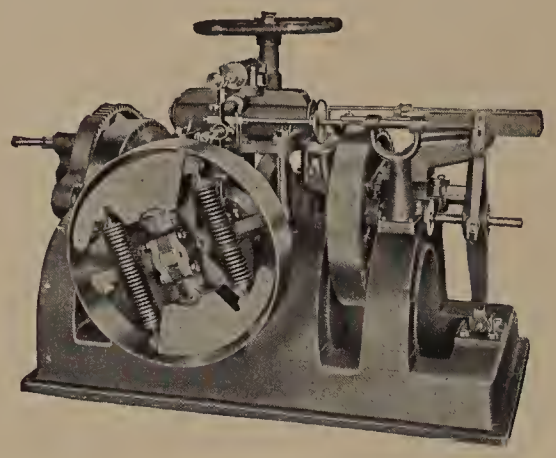

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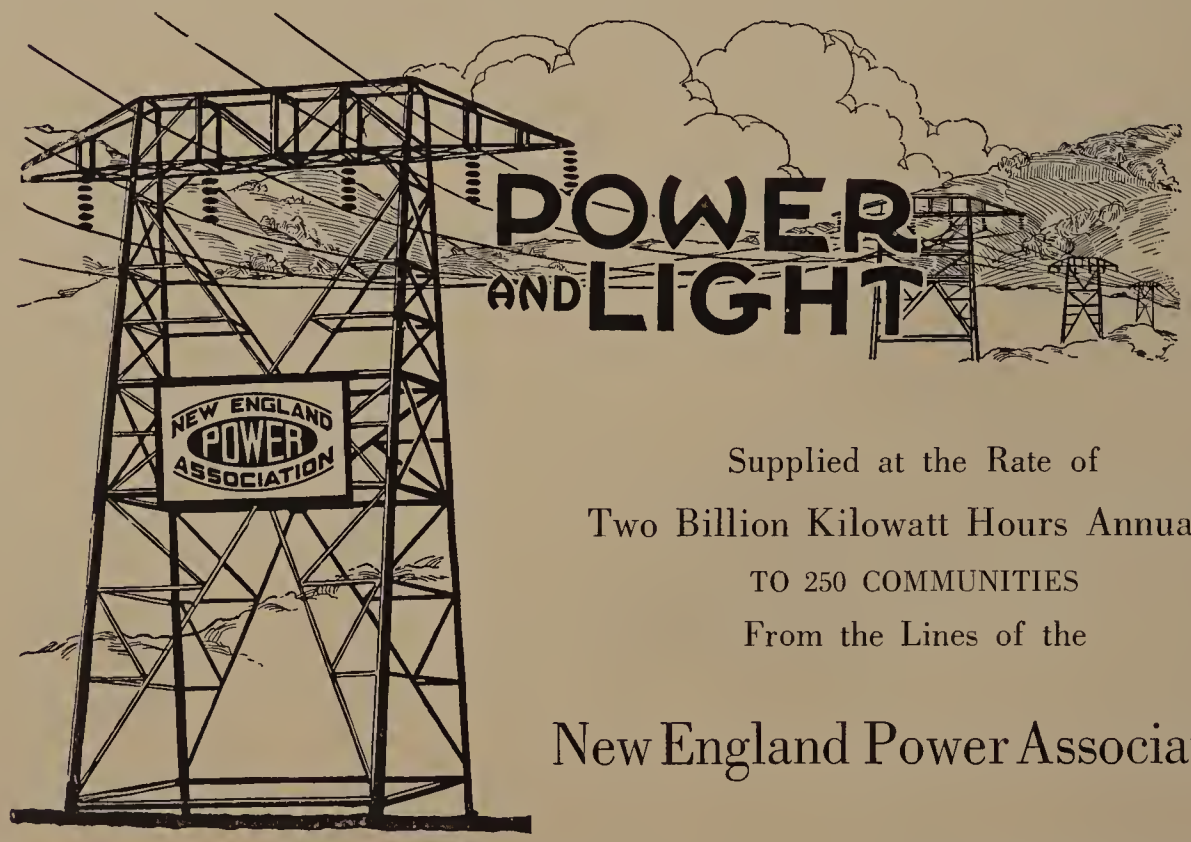

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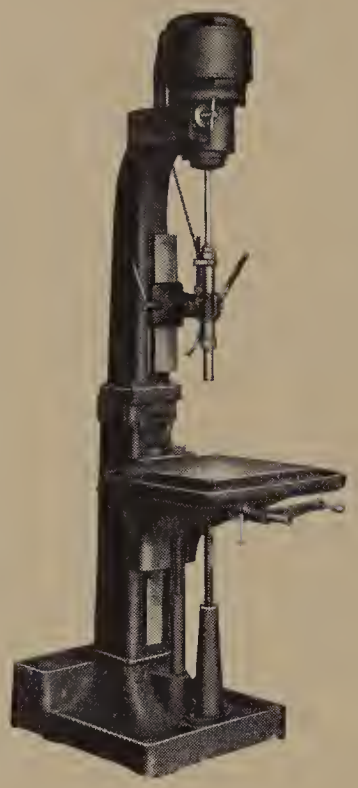

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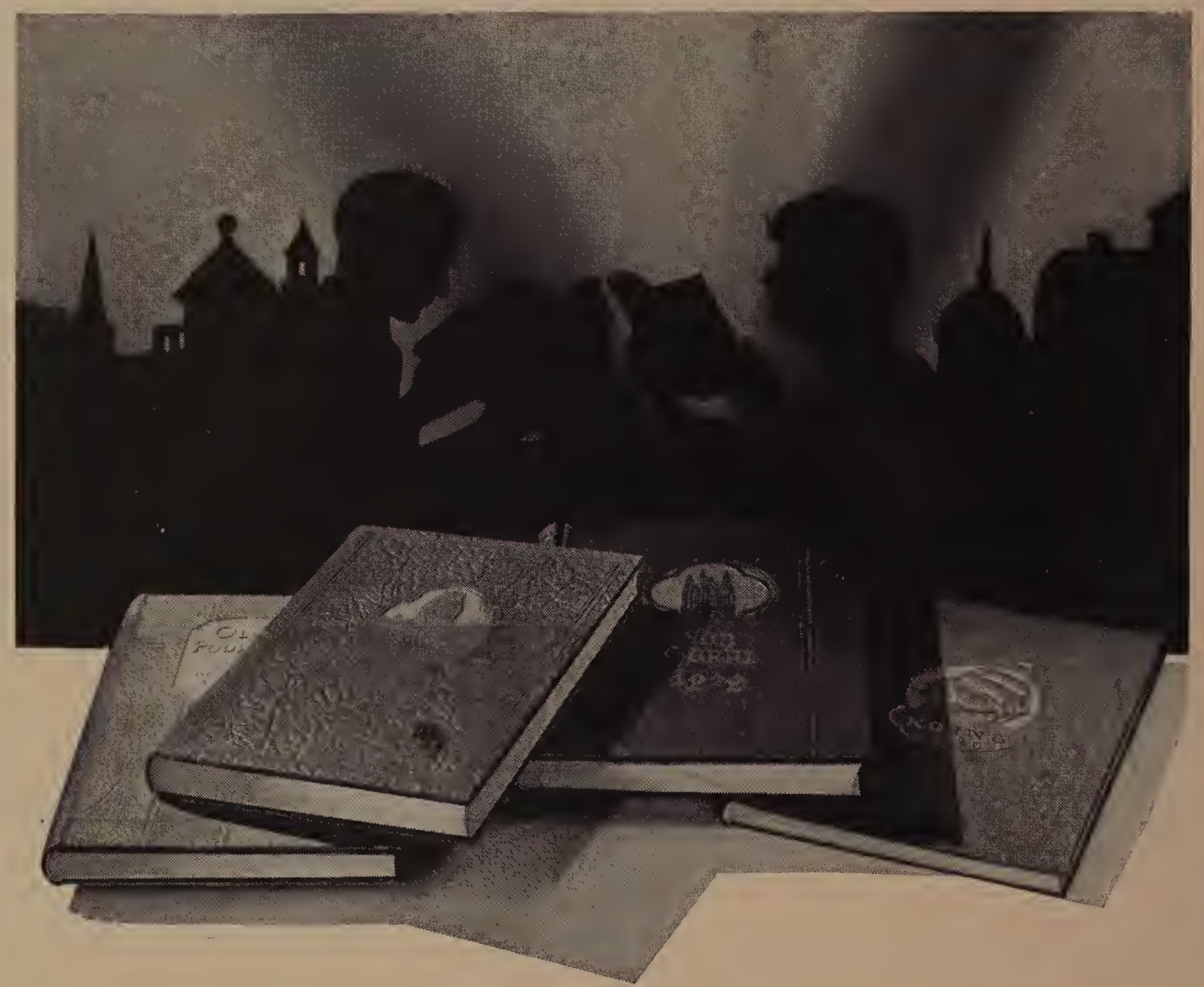

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